

<110> Young et al.

<120> 87 Human Secreted Proteins

<130> PZ004P1

<140> US 09/154,707

<141> 1998-09-17

<150> PCT/US98/05311

<151> 1998-03-19

<150> US 60/041,277

<151> 1997-03-21

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<151> 1997-10-02

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gcaggcattc	tgaggggcaa	cgtggaggaa	gggccaggga	tgcatgggat	tttaattggt	900
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<210> 17
 <211> 683
 <212> DNA
 <213> Homo sapiens

<400> 17						
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cattgcccac	acacaaggat	ctaacacaac	ctcttgaata	aacatcccc	ttattcagaa	180
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atcatatgtw	attggcatat	aaattacaga	tgtwtctatg	actaaaaacc	ctgtggatat	480
waaccmaatg	cagataawtw	taataaaatw	twtaaaaatw	twatcmaata	atgatagtgc	540
tattcaaata	cttcaaattt	gcacagtgat	ttattttctta	aaatatgtta	acacatgtga	600
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<210> 18
 <211> 1054
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (74)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (1014)
 <223> n equals a,t,g, or c

<400> 18						
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cagggagcct	ctgctgtgct	tctggacctg	cccaactcgg	gtggggaggc	ccaagccaag	240
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<210> 19
 <211> 1393
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (127)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (376)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (447)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (782)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (1379)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (1382)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (1383)
 <223> n equals a,t,g, or c

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annaaaaaac	tcg					1393

<210> 20
 <211> 1215
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (15)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (61)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (65)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (104)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (180)
 <223> n equals a,t,g, or c

<400> 20						
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<210> 21
 <211> 2042

<212> DNA
 <213> Homo sapiens

<400> 21

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<210> 22
 <211> 1872
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1871)
 <223> n equals a,t,g, or c

<400> 22

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<210> 23
 <211> 289
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (284)
 <223> n equals a,t,g, or c

<400> 23						
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<210> 24
 <211> 3533
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (44)
 <223> n equals a,t,g, or c

<400> 24						
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<210> 25
 <211> 1148
 <212> DNA
 <213> Homo sapiens

<400> 25						
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aacctgtttt	aaaatttttag	ggatctttac	ttggtcatac	atgaaaagta	cactgcttag	180
aaattataga	ctattatgat	ctgtccacag	tgcccattgt	cacttctttg	tctcattttct	240
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aatatgggtg	gcattaaatt	tagcatttca	ttatctaaca	aaattaatat	aaattccagg	360
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caaataagtg	gaagggcagc	tattaccatt	cgcttagtca	aaacattcgg	ttactgccct	540
ttaatacact	cctatcatca	gcacttccac	catgtattac	aagtcttgac	ccatccctgt	600
cgtaactcca	gtaaaagtta	ctgttactag	aaaattttta	tcaattaact	gacaaatagt	660

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ttagtgaccc	ttggtagggt	aaagggtgca	ttatttatac	ttgagatttt	tttcccctaa	960
ctattctgtt	ttttgtactt	taaaactatg	ggggaaatat	cactgggtctg	tcaagaaaca	1020
gcagtaatta	ttactgagtt	aaattgaaaa	gtccagtgga	ccaggcattt	cttatataaa	1080
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ccctatta						1148

<210> 26
 <211> 717
 <212> DNA
 <213> Homo sapiens

<400> 26						
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cgcccagtc	tgaccctgcy	cccctcactc	ctcccgetcc	atctgctgct	gctgctgctg	120
ctcagtgcgg	cggtgtgccc	ggctgaggct	gggctcgaaa	ccgaaagtcc	cgtccggacc	180
ctccaagtgg	agaccctggt	ggagccccca	gaaccatgtg	ccgagcccgc	tgcttttggg	240
gacacgcttc	acatacacta	cacgggaagc	ttggtagatg	gacgtattat	tgacacctcc	300
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cagagtcttc	tcgacatgtg	tgtgggagag	aagcgaaggg	caatcattcc	ttctcacttg	420
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gtggagctga	ttgcactaat	ccgagccaac	tactggctaa	agctgggtgaa	gggcattttg	540
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agaaaggcca	atagacccaa	agtctccaaa	aagaagctca	aggaagagaa	acgaaacaag	660
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<210> 27
 <211> 1099
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1030)
 <223> n equals a,t,g, or c

<400> 27						
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ggccctcaac	aagatcaact	tcaacacccc	ctttgtcatg	aagacgctca	tgaccatctg	180
ccctggcact	gtgctgctcg	tgttcagcat	ctctctgtgg	atcattgctg	cctggaccgt	240
ccgtgtctgt	gaaagtcctg	aatcaccagc	ccagccttct	ggctcatcac	ttcctgcttg	300
gtaccatgac	cagcaggacg	taactagtaa	ctttctgggt	gccatgtggc	tcacttccat	360
cacattcctt	tccattgggt	atggggacat	ggtgccccac	acatactgtg	ggaaagggtg	420
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ccgaaagctg	gaactcacca	aagcggagaa	gcacgttcat	aacttcatga	tggacactca	540
gctcaccaag	cggatcaaga	atgctgcagc	caatgtcctt	cgggaaacat	ggttaattcta	600
taaacacaca	aagctgctaa	agaagattga	ccatgccaaa	gtgaggaaac	accagaggaa	660
gttcctccca	agctatccac	cagtttgagg	agcgtcccag	atggaacaga	ggaaagctga	720
gtgaccaagc	caacactctg	gtggaccttt	ccaagatgca	gaatgtcatg	tatgacttaa	780
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aaaaaaaaaa	aaaaaaaaaa					1099

<210> 28

<211> 941
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (864)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (897)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (938)
 <223> n equals a,t,g, or c

<400> 28

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tgatgtcatg	agtaacacca	ctgtgcccaa	tgccccccag	gccaacagcg	actccatggt	180
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cagctatgac	ccagctgagg	aactgcatga	ggctgagcag	gagctgctct	ctgacatggg	360
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gctaaaaaaa	aaaaaaaaaa	atcnaagggg	gggcccgtac	ccaaattccc	cctatantga	900
attcgtatta	acaattcact	tggggccgctc	cttttaanaa	c		941

<210> 29
 <211> 756
 <212> DNA
 <213> Homo sapiens

<400> 29

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gtaagcagag	gataaacaac	tgggaaggaga	gcaagcacia	agtcacatg	gcttcagcgt	180
ctgctcgtgg	aaaccaagat	aaagatgccc	atcttccacc	accaagcaag	cagagcctgt	240
tggtttgtcc	aaaatcaaaa	ctgcacatcc	acagagcaga	gatctcaaag	attatgagag	300
aatgtcagga	agaaagtctt	tgggaagagag	ctctgccttt	ttctcttgta	agcatgcttg	360
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ccaaagtgtc	acttgctggg	ctcttgggat	ttggccttgg	aaaggatatca	tacataggag	480
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agaagggaga	ctctcagcct	tcagcttccct	aaattctgtg	tctgtgactt	tcgaagtttt	660
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taatggaaaa	aaaaaaaaaa	aaaaaaaaaa	actcga			756

<210> 30
 <211> 2100
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)
 <223> n equals a,t,g, or c

<400> 30

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gactggaaca	aaccatagca	ttgggtcagc	agatccctgt	cacccagagc	aaccccatth	600
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<210> 31
 <211> 1448
 <212> DNA
 <213> Homo sapiens

<400> 31

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gagtggtgtt	tttttttttt	tttaatttgt	ttgtttttaa	ataagttaaa	gacagtccag	180
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cggatagcat	ttggtaggta	gtgattaact	gtgaataata	aatacacaat	gaattcttma	1380
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ccccccaa						1448

<210> 32
 <211> 456
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (444)
 <223> n equals a,t,g, or c

<400> 32						
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aaaaaaaaaa	aaaaaaaaac	cccngggggg	gcccgg			456

<210> 33
 <211> 1326
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (352)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (1324)
 <223> n equals a,t,g, or c

<400> 33						
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atggtggtag	ccaagaagac	tgacatttta	gggaacagga	cggggaggag	aaggctctgg	180
cacacacaca	tgtgtccata	tgtcctgcaa	tggtctgggg	actattgcta	ggctaggagc	240
cctaagtgtc	ttcttcctca	tgtctmttct	cccctgtstc	atgggccccta	agrtctcttt	300
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actggtctag	ttttaatgcc	agcagtaccc	ctggaccaga	ggaggttagac	agcgcctctg	600
ctgccccagc	cttctacagc	cgagcccccc	ggccccccagc	ttccccaggc	cggccccagc	660
agcacacagt	gatccacatg	ggcaatcctg	agcccttgac	tcacgcccct	aggaaggtgt	720
atgatacgcg	ggatgatgac	cggacaccag	gcctccatgg	agactgtgac	gatgacaagt	780
accgacgtcg	gccggccttg	ggttggtctg	cccggctgct	aaggagccgg	gctgggtctc	840
ggaagcgrcc	gctgaccctg	ctccagcggg	cggggctgct	gctactcttg	ggactgctgg	900

gcttcctggc	cctccttgcc	ctcatgtctc	gcctaggccg	ggccgcagct	gacagcgatc	960
ccaacctgga	cccactcatg	aaccctcaca	tccgcgtggg	cccctcctga	gcccccttgc	1020
ttgtggctag	gccagcctag	gatgtgggtt	ctgtggagga	gaggcggggt	aatggggagg	1080
ctgagggcac	ctcttcactg	cccctctccc	tcaagcctaa	gacactaaga	ccccagaccc	1140
aaagccaagt	ccaccagagt	ggctgcaggc	caggcctgga	gtccccgtgg	gtcaagcatt	1200
tgtcttgact	tgccttcctc	ccgggtytcc	agcctccgac	ccctcgcccc	atgaaggagc	1260
tggcaggtgg	aaataaacia	caactttatt	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	1320
aaanaa						1326

<210> 34
 <211> 710
 <212> DNA
 <213> Homo sapiens

<400> 34						
gcgaaagaga	aaaaggctgg	agctcccgcc	cccggggctg	tcagatggct	tgggtttctg	60
cgacgcgatt	ggctcgcgga	gggcagaaat	tactcagcaa	acatgactat	tattagctgc	120
ttagcaacag	ctcaccaaag	tagagagacc	acccaggtag	gcaaccagct	gtgtgcatcc	180
tcggcttcgg	ggcagcctct	gagagcgcca	accttctcgc	atgcaatact	tccattaagg	240
aatgctcccc	ctcctttctc	tcttattcct	tttcttttca	acagtgtctt	ctttttgtgg	300
gatgcctttg	cgcgcacaca	cgcgcgcgca	sgcacacaca	cgaacatttg	cctcgcggta	360
gacacggggg	gaaatgtwat	atTTTTTTTaa	gcgcttaaac	aatttctgaa	attcctcaaa	420
gaaaagcctt	tcagargcac	cttggectca	agctgcaaca	aatactggga	rgtccggctc	480
gcattcccag	gcctgcacca	ataatgacag	cgtgctggat	artgcgccag	tgtgtgccag	540
atTTTTTTTT	cctcttctct	tttcttttat	aactaaaggg	aagacttagg	ctcttgagg	600
gaacaacgcc	tcgcattaag	ataaacagaa	tggaaagtta	aagaggaaag	caaggacgtt	660
gggaaaagcc	atctttctta	aaatccgtct	gccccccagc	cgctttctcc		710

<210> 35
 <211> 1188
 <212> DNA
 <213> Homo sapiens

<400> 35						
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gatatgggtg	aaggggacaa	gtactggcac	tccatcagcc	acctgcagcc	agagacctcc	120
tacgacatta	agatgcagtg	cttcaatgaa	ggaggggaga	gcgagttcag	caacgtgatg	180
atctgtgaga	ccaaagctcg	gaagtcttct	ggccagcctg	gtcgactgcc	acccccaaact	240
ctggccccac	cacagccgcc	ccttcctgaa	accatagagc	ggccgggtggg	cactggggcc	300
atgggtggctc	gctccagcga	cctgccctat	ctgattgtcg	gggtcgtcct	gggctccatc	360
gttctcatca	tcgtcacctt	catccccctc	tgtctgtgga	gggcctgggtc	taagcaaaaa	420
catacaacag	acctgggttt	tcctcgaagt	gcccttccac	cctcctgccc	gtatactatg	480
gtgccattgg	gaggactccc	aggccaccag	gcagtggaca	gccctacctc	agtggcatca	540
gtggacgggc	ctgtgctaata	gggatccaca	tgaatagggg	ctgccccctcg	gctgcagtgg	600
gctacccggg	catgaagccc	cagcagcact	gcccaggcga	gcttcagcag	cagagtgaca	660
ccagcagcct	gctgaggcag	acccatcttg	gcaatggata	tgacccccaa	agtcaccaga	720
tcacgagggg	tcccaagtct	agcccggacg	agggctcttt	cttatacaca	ctgccccgacg	780
actccactca	ccagctgctg	cagccccatc	acgactgctg	ccaacgccag	gagcagcctg	840
ctgstgtggg	ccagtcaggg	gtgaggagag	cccccgacag	tcctgtcctg	gaagcagtgt	900
gggaccctcc	atttcaactca	gggcccccat	gctgcttggg	ccttgtgcca	gttgaagagg	960
tggacagtcc	tgactcctgc	caagtgagtg	gaggagactg	gtgtccccag	caccccgtag	1020
gggcctacgt	aggacaggaa	cctggaatgc	agctctcccc	ggggccactg	gtgcgtgtgt	1080
ctttttgaaac	accacctctc	acaatttagg	cagaagctga	tatcccagaa	agactatata	1140
ttgttttttt	tttaaaaaaa	aaaaaaaaaa	awcycggggg	ggggcccc		1188

<210> 36
 <211> 956
 <212> DNA
 <213> Homo sapiens

<220>

<221> misc_feature
 <222> (404)
 <223> n equals a,t,g, or c

<400> 36

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gatgtgacat	ctggacacga	ggggtcagcc	acgtggatac	atccctccca	gattgcatct	120
ccaggaatca	ctctgctagc	agaatgggcg	ccccatccct	tactatgctg	ctcctcctca	180
aagtgcagcc	cagaaggacc	caggcctttg	atgcacattg	gggtgggtctc	ccactacttt	240
agttgaaatg	ggagcatgct	ggagtcggcg	ttctgttgct	tctgggtgaga	aggacatccc	300
attgaccctt	ggccaccagg	tccagtattc	catecttctt	tctgtcccag	cctatcgccc	360
tccccacyag	gcccaccccc	acaacttctc	ctcaagggag	gttntcccgc	agctggaggg	420
cttgacacaga	ccagcagtc	cagaaatcat	tcttctgtct	gtactggggc	ttactgcct	480
gcaaagtgtc	gagcactact	gcataggatg	ccagagccac	cgaagataaa	cacagccaag	540
tttaataata	ataaaaggaa	aaatctcagc	ctgcagaact	ctgggttttg	cccaccatcg	600
gccagatgca	catcttcagg	gcctgttgag	caccttctga	aaagcagggc	tcgtaataga	660
ctccagcaca	ttccatcaga	gtcaggaaaa	ctgcggtgag	tcccagagaa	tctagggtgc	720
agggcagggg	gcaggagtca	taaggagtga	taacctaaac	tgtgtgtagt	cagcggggag	780
ggtcttatgt	tatcaggtga	aatgagagcc	agtaagttag	ttgatcctgt	cacagatata	840
accctgataa	caccccatag	atacgcgaca	cgtgtgtcct	gcccctgctt	tccccatcca	900
acatggttct	tctgtttccac	agacattaaa	ggggctttct	gcaattactt	aaaaaa	956

<210> 37
 <211> 1603
 <212> DNA
 <213> Homo sapiens

<400> 37

tcgacccacg	cgtccgctct	gccaggaatc	tggtctttct	gtagacccaa	gtcagaaaga	60
accatttgtg	gagttaaatc	gaatattaga	rgcattaaar	gtcagagttc	tgagacctgc	120
tctggaatgg	gcagtttcaa	accgagagat	gcttatagcc	caaacacagc	ccttggaatt	180
taaactacac	agactgtatt	ttattagctt	rttaatgggt	ggaacacaaa	tcagcgagar	240
gcattacaat	atgctaaaaa	ttttcagcca	tttgccctaa	atcatcaaaa	agacattcag	300
gttttgatgg	gaagccttgt	gtacctgaga	caagggattg	agaactcacc	atatgttcac	360
ctacttgatg	caaaccagtg	ggctgatatc	tgtgacatct	ttacacggga	tgcttggtgc	420
ctcctggggc	tctccgtgga	gtccccctct	agtgtcagtt	tctcagcagg	ttgtgtggcg	480
ctgccagctt	taattaacat	caaagccgtg	attgaacaga	ggcagtgtac	tggagtgttg	540
aaccagaaag	atgaattacc	tattgaagtg	gaccttggtg	aaaagtgtgt	gtatcactct	600
atattttgct	gccccattct	tcgtcagcaa	acaacagata	acaatccacc	catgaaattg	660
gtctgtgggt	atatttatat	aagagatgcc	ctgaataaaa	tgttttaattg	tagcaaatta	720
aatgtccct	actgtccaat	ggaacaaaag	ccaggagatg	ccaaacagat	atttttctga	780
agagataact	ttagtttgca	atttgtaagt	gaaactgaat	cgtgggtgca	tttcagaaga	840
gaacgttcca	tataatgcag	ctaaccaagg	actcctgtgt	ttctataagc	taatgctcca	900
gaaactttgc	caacctgtta	gtgtacacac	actgagggga	gtgctcccgg	tgaatattat	960
catagggctt	tatttatatt	ttgggtcttca	tttctgatca	agtaaataca	ccagcagttg	1020
tcattcaatg	cagggtttttg	tacttaatta	tatgggtgatt	tttttacttt	tttaagagcag	1080
aaacggaaat	tgacctcccc	gccatgtgtt	taatatccct	cctgctttta	cttttgtcat	1140
tttcttgata	atcgtaagcc	ttgagagtgt	ttgtgaaaaa	gttttatttc	ctgttatgta	1200
tacataatta	aatgaaaatt	cttcagaaaa	agtttgataa	attgaattgt	ggttatgaaa	1260
ctaatttgca	tttttatttg	cttaagaaag	aaagctgtga	tagattccag	atatgctttt	1320
tgatgttttc	ctctgctcca	gctccaagaa	gtcagcacac	ctgcatttta	gctctgcatg	1380
cagccccagc	aggctgcgtg	tttaagaatt	tcattgttta	actggctggt	gtgagaagtc	1440
ttccgttagc	atagagtggg	aggagtacta	ttgttttggt	gggtttttgt	ttgtttgttt	1500
tttgtttttg	cttttatttg	caagaggtgc	ttgtttttaa	agtatgttta	ataaaatgaa	1560
attctaaagt	taaraagtgt	tcttaaagtt	gatattttaac	tct		1603

<210> 38
 <211> 1089
 <212> DNA
 <213> Homo sapiens

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<400> 38
ggcacgagct acctttctgc ctgctttgct ggctgcaaca gcacgaatct cacgggctgt      60
gcgtgcctca ccaccgtccc tgctgagaac gcaaccgtgg ttccctggaaa atgccccagt      120
cctgggtgcc aagaggcctt cctcactttc ctctgtgtga tgtgtatctg cagcctgatc      180
ggtgccatgg caagacaccc tcagtcacat tcctcatcag gacagtcagc cctgaactca      240
agtcttacgc tttgggagtt ctttttctcc tccttcgttt gttgggcttc atccctccac      300
ccctcatctt cggggctggc atcgactcca cctgcctggt ctggagcacg ttctgtgggg      360
agcaaggcgc ctgcgtcctc tacgacaatg tgggtctaccg atacctgtat gtcagcatcg      420
ccatcgcgct caaatccttc gccttcaccc tgtacaccac cacgtggcag tgctgaggaa      480
aaactataaa cgctacatca aaaaccacga gggcgggctg agcaccagtg agttctttgc      540
ctctactctg accctagaca acctggggag ggaccctgtg cccgcaaacc agacacatag      600
gacaaagttt atctataacc tggaagacca tgagtgggtg gaaaacatgg agtccgtttt      660
atagtactga aaggagggtg gaactctgta ttagtaatcc aagggtcatt tttttcttaa      720
aaaaagaaaa aaagggttcca aaaaaaacca aaactcagta cacacacaca ggcacagatg      780
cacacacacg cagacagaca caccgacttt gtcctttttc tcagcatcag agccagacag      840
gattcagaat aaggagagaa tgacatcgtg cggcagggtc ctggaggcca ctgcgcggc      900
tgggccacag agtctacttt gaaggcacct catggttttc aggatgctga cagctgcaag      960
caacaggcac tgccaaattc agggaaacag ggtggccagc ttggaggatg gacatttctg     1020
gatacacata cacatacaaa acagaaaaca ttttttaaaa gaagtttcct aaaataaaaa     1080
aaaaaaaaa                                     1089

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<210> 39
<211> 629
<212> DNA
<213> Homo sapiens

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```

<400> 39
agctcagttc ccttagaaat gaaattttta atgacactac caggtaagcc actgagacca      60
gtggagggtg tagctaagaa cataaggaat taagaatttt taatggagaa aggaggtaat      120
gaataccagt tacatcctaa gactcactgt agtgggtgagt gttgtaatat atctcgctat      180
ccatcctctt ttaagttttt ccttagaaag tcctctattg gtaccttgga gggactgctg      240
tcaaaatata tggaaaagtg ggtctgtgtg gtacaagagg tggactttgc cacacatgga      300
agtttgctgc caagatcttc actaatgaaa gaaatcacca gtgagctgca cagattagcc      360
aaatactgag ctcatagaa ctactaaggc ctggacattt ctgcctaata caggactcct      420
gtaattatca gtctttgctt tggagcttcc cattgtgtag ctgaraattt gtcatatctg      480
cattataatc taaggctcca catacttaat cctgcttctc cccctttttc tttccctttc      540
ccagcgggtc gctctgctgc atagtctgaa gactttccct gcccaatcct gataaaattc      600
ttgcactcgt aaccccatct cagtgtctg                                     629

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<210> 40
<211> 1964
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (353)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (476)
<223> n equals a,t,g, or c

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<400> 40
aagaagacat ggaaattgct gaaggatggt tcaggcatat taagaaaatc tttacgcagc      60
ttgaggaatt cagagcctct gaattgcttc gaagtggact ggacagatct aaataccttt      120
tagtgaaaga agccaaaatt attgctatga cctgtactca tgctgcctta aaacgacatg      180
acttggtcaa gctagggtttc aagtatgaca acattttgat ggaagaggct gctcagattc      240
tgagagataga aacttttata cctcttcttc tacagaatcc tcaggatgga tttagccgac      300
taaaacgatg gattatgatt ggcgatcatc accagttacc tccagttatt aangaacatg      360
gcctttcaaa agtactcaaa catggagcag tctctcttca ctgcgtttgt tcgcgttgga      420

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gttccgactg	ttgaccttga	tgetcaaggg	agagccagag	caagcttgtg	camctnctac	480
aactggcgat	acaagaatct	aggaaactta	ccccatgtgc	agctcttgcc	agagtttagt	540
acagcaaagt	ctggcttact	gtatgacttc	cagctcatta	atgttgaaga	ttttcaagga	600
gtgggagaat	ctgaacctaa	tccttacttc	tatcagaatc	ttggagaggc	agaatatgta	660
gtagcacttt	ttatgtacat	gtgtttactt	ggttaccctg	ctgacaaaat	cagtattcta	720
acaacatata	atggccaaaa	gcattcttatt	cgcgacatca	tcaatagacg	atgtggaaac	780
aatccattga	ttggaagacc	aaacaagggtg	acaactgttg	atagatttca	aggtcaacag	840
aatgactata	ttcttctttc	tctggtacga	accagggcag	tggggccatct	gagggatgtc	900
cgctcgcttg	tagtggccat	gtctagagcc	agacttggac	tttatatctt	cgccagagta	960
tcctctcttc	aaaactgttt	tgaactgact	ccagctttca	gtcagctcac	agctcgcccc	1020
cttcatttgc	atataattcc	aacagaacct	ttcccaacta	ctagaaagaa	tggagagaga	1080
ccatctcatg	aagtacaaat	aataaaaaat	atgccccaga	tggcaaactt	tgtatacaac	1140
atgtacatgc	atttgatata	gactacacat	cattatcatc	agactttatt	acaactacca	1200
cctgctatgg	tagaagaggg	tgaggaagtt	caaaatcaag	aaacagaatt	ggaaacagaa	1260
gaagaggcca	tgactgttca	agctgacatc	ataccagtc	caacagacac	cagctgccgt	1320
caagaaactc	cagcctttca	aactgacacc	acccccagtg	agacaggagc	cacttccact	1380
ccagaagcca	tccttgcttt	atctgagacc	acccctactg	tggtaggagc	tgtatctgca	1440
ccggcagaag	ctaacacacc	tcaggatgcc	acatctgccc	cagaagagac	caagtagcca	1500
aactgtagtc	cttctaaagg	aggacatggc	agtcaaaaag	tctgagtaaa	gctgtttttt	1560
gtattttata	tttgcttctg	ccattttact	gtcactaatt	aatgtttagt	tcttatattt	1620
gttaactgat	ttcgggtgtc	tgaatatatt	tttttaaatt	atgtgtatga	acaattctag	1680
tttcatttgt	tcaatcagaa	gagcaataaa	ccattccttt	catgttttga	tcactgagtg	1740
tgtctgtaat	catacctaca	ttaaaatcat	tttctatgaa	tatataatat	atacttcaca	1800
tttttagtga	acttctctaa	agaagaggac	agaatatact	ggacttaacc	acgaataccc	1860
ttgagtgtcc	aaattgggaa	ggaactkggt	tcttcygtta	tactaycaaa	tgcttaaatt	1920
ckgtttcctt	ttttcttacc	tttgtttgct	gtcttttatgt	aaag		1964

<210> 41
 <211> 1522
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1282)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (1376)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (1462)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (1492)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (1501)
 <223> n equals a,t,g, or c

<400> 41						
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gaggggtggc	gccactggga	cactgtgaac	caggagtrag	tcggagctgc	cgcgctgccc	120
aggccatgga	ctgtgaggtc	aacaacgggt	ccagcctcag	ggatgagtg	atcacaacc	180
tactgggtgt	tggttctctc	caaagctgtt	ctgacaacag	cttccgcaga	gagctggacg	240
cactgggcca	cgagctgcca	gtgctggctc	cccagtgga	gggctacgat	gagctgcaga	300
ctgatggcaa	ccgcagcagc	cactcccgt	tgggaagaat	agaggcagat	tctgaaagtc	360

aagaagacat	catccggaat	attgccaggg	acctcgccca	ggtcggggac	agcatggacc	420
gtagcatccc	tccgggcctg	gtgaacggcc	tggccctgca	gctcaggaac	accagccggt	480
cggaggagga	ccggaacagg	gacctggcca	ctgccctgga	gcagctgctg	caggcctacc	540
ctagagacat	ggagaaggag	aagaccatgc	tgggtgctggc	cctgctgctg	gccaagaagg	600
tggccagtc	cacgccgtcc	ttgctccgtg	atgtctttca	cacaacagtg	aattttatta	660
accagaacct	acgcacctac	gtgaggagct	tagccagaaa	tgggatggac	tgaacggaca	720
gttccagaag	tgtgactggc	taaagctcga	tgtggtcaca	gctgtatagc	tgcttccagt	780
gtagacggag	ccctggcatg	tcaacagcgt	tcctagagaa	gacaggctgg	aagatagctg	840
tgacttctat	tttaaagaca	atgttaaact	tataacccac	tttaaaatat	ctacattaat	900
atacttgaat	gaaaatgtcc	atttacacgt	atttgaatgg	ccttcataatc	atccacacat	960
gaatctgcac	atctgtaaat	ctacacacgg	tgcctttatt	tccactgtgc	aggttccccc	1020
ttaaaaatta	aattggaaag	caggtttcaa	ggaagtagaa	acaaaataca	attttttttg	1080
taaaaaaaaa	ttactgttta	ttaaagtaca	accatagagg	atggctcttac	agcaggcagt	1140
atcctgtttg	aggaaagcaa	gaatcagaga	aggaacatac	cccttacaaa	tgaaaaattc	1200
cactcaaaat	agggactatc	yatcttaata	ctaaggaacc	aacaatcttc	ctgttttaaaa	1260
aaccacatgg	cacagagatt	cngaactaaa	gtgctgcact	caaatagatg	gaagtcccgg	1320
ccccagtaca	ccaggggctt	tggacttttt	tcaacttcgt	ttccttttgt	ttggantcca	1380
aaagaaccac	tttgtggttc	ttaaaagggg	gtgaagggtg	tttaaggggc	ccaggctcagc	1440
cactgggttg	tttacaataa	cngggtaact	aactgcatac	aacttttttc	cntttccatg	1500
ncatcaggac	tttgctaaag	ac				1522

<210> 42
 <211> 875
 <212> DNA
 <213> Homo sapiens

<400> 42						
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tctgtgtctg	tggggccatc	tacactggcc	tgttccttcc	tgagaccaa	ggcaagacct	120
tccaagagat	ctccgaggaa	ttacacagac	tcaacttccc	caggcggggc	caggggccca	180
cgtggaggag	cctggagggt	atccagtcaa	cagaactcta	gtcccaaagg	ggtggccgta	240
gccaaagcca	gctaccgtcc	tgtcctctgc	ttcctgccag	ggccttggtc	ctcamtycct	300
yctgcattcc	tcattttaagg	agtgtttatt	gagcaccctt	tgtgtgcaga	catggctcca	360
ggtgcttagc	aatcawtggg	gagcgtggta	tccaggctaa	aggtaattaa	ctgacagraa	420
atcagtaaca	acataattac	agggtgggtg	tggcagytca	tgactgtaat	cccagcactt	480
ttggggagcca	agggtgggarg	atcaattgag	gccagagttt	gaaamcagct	aggtaacata	540
gtgagacccc	ctatctctac	aaaaaatttt	aaacattagc	tgggcatggt	ggtatgtgct	600
aacagctcta	gctactcagg	aggctgaggc	agcaggatca	cttgagtcca	agagttcaag	660
gtagcagtaa	gctacaatca	caccactgca	tgccagactg	ggtgacagag	ggagacttca	720
tctctttaaa	acataataat	aataattaca	gactcaggaa	atgcagtgaa	agaaaaatac	780
aggttggcca	ggtgagggtg	ctgatgcctg	taatcccagc	actttggggag	gccaagatgg	840
gaagattgct	ttgagaccag	aagtttgaga	ccagc			875

<210> 43
 <211> 843
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (14)
 <223> n equals a,t,g, or c

<400> 43						
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tgggcaccgt	cagaaagccc	agagccttgt	gatagctccc	accctgcctg	gctcagatct	420
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aaa						843

<210> 44
 <211> 489
 <212> DNA
 <213> Homo sapiens

<400> 44						
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acaactattc	atgcttcctg	tgattttcatc	caactactta	ccttgccctac	gatatcccct	420
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aaaaaaaa						489

<210> 45
 <211> 534
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (470)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (477)
 <223> n equals a,t,g, or c

<400> 45						
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ctggcatata	ttgtgcctta	tttatgctgc	aaatataaca	ttaaactatc	aagtgaaaaa	420
aaaaaaaaaa	aaaactccaa	ggggggggcg	gtaccaaat	ccccctatan	tgagtentat	480
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<210> 46
 <211> 1374
 <212> DNA
 <213> Homo sapiens

<400> 46						
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ccagggtgct	gcagaaggac	gcggagcagg	agtcacagat	gagagcggag	atccaggaca	180
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<210> 47
 <211> 596
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (8)
 <223> n equals a,t,g, or c

<400> 47						
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aataacact	gtcatatata	ttctacactg	ctaccatatt	gaccaaaggg	attatagatt	180
acaatcacca	tcatttcctgc	tgacagggtat	atagaaaaca	atttcattga	agaaaagtcc	240
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<210> 48
 <211> 851
 <212> DNA
 <213> Homo sapiens

<400> 48						
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851

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<210> 49
<211> 2020
<212> DNA
<213> Homo sapiens
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<220>  
<221> misc_feature  
<222> (1239)  
<223> n equals a,t,g, or c
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<220>  
<221> misc_feature  
<222> (1587)  
<223> n equals a,t,g, or c
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[illegible]

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<211> 2432
<212> DNA
<213> Homo sapiens
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<210> 51
<211> 2340
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (96)
<223> n equals a,t,g, or c

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<400> 51
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ctataaggat gacttatcca gagggcgcac cactgtctga ccttgaatat tattccaatg 840

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<210> 52
 <211> 601
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (115)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (184)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (539)
 <223> n equals a,t,g, or c

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<210> 53
 <211> 359
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (343)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (347)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (349)
 <223> n equals a,t,g, or c

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<210> 54
 <211> 1141
 <212> DNA
 <213> Homo sapiens

<400> 54
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 a 1141

<210> 55
 <211> 1560
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (8)
 <223> n equals a,t,g, or c

<220>

<221> misc_feature
 <222> (1428)
 <223> n equals a,t,g, or c

<400> 55

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ataataaaat	tccacctttt	ttcaaaatta	atatagggtg	agtgaagtct	mccaatcatg	180
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tagcttttaa	gaccatttta	taaagattat	ctggtgccta	attaacaaga	aagaaattag	360
actcaggttt	aagatgctgc	tggtgttctg	aaattactct	gaaaggtcat	tcaaagaact	420
tcaaacttaa	aatttttcat	tcatgtattt	attccacagt	caaaataaat	caaaatttaa	480
agctataaca	tttttaaaag	ataaaggaga	atttgtggca	cagctgcatt	aacaaaacag	540
acaccagtct	aaagtgcac	actaaacagg	tattctctgt	tcccacgggtg	gaataaatac	600
acacaattac	acataagatt	tcactaaaga	taggagatga	ggcaaataac	cctttgaaat	660
tacctgcca	acaaatagag	gcaggctaca	ttaatttaac	atthttactgc	aaaatggaaa	720
aaatccccga	ggtgactaac	tcaaactcct	catttcatgc	acatgacctt	ggcttctgtg	780
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gcaggcctcg	tttcaggtag	acgggcacac	catcagcttt	ctggaaaaac	ttttgtagct	1320
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<210> 56
 <211> 1507
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1047)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (1301)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (1507)
 <223> n equals a,t,g, or c

<400> 56

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ccccagacgc	aggccctcat	ggccagggga	gggtgcacca	ggcggccccc	ctgagcgacg	180
ctccccatga	tgacgcccac	gggaacttcc	agtacgacca	tgaggctttc	ctgggacggg	240
aagtggccaa	ggaattcgac	caactcacc	cagaggaaag	ccaggcccg	ctggggcgga	300
tcgtggaccg	catggaccgc	gcgggggacg	gcgacggctg	ggtgtcgctg	gccgagcttc	360
gcgcgtggat	cgcgcacacg	cagcagcggc	acatacggga	ctcgggtgagc	gcggcctggg	420
acacgtacga	cacggaccgc	gacgggctgt	tgggttggga	ggagctgcgc	aacgccacct	480
atggccacta	cgcgcccggt	gaagaatttc	atgacgtgga	ggatgcagag	acctacaaaa	540
agatgctggc	tcgggacgag	cggcgtttcc	gggtggccga	ccaggatggg	gactcgatgg	600

ccactcgaga	ggagctgaca	gccttcctgc	accccgagga	gttccctcac	atgcggggaca	660
tcgtgattgc	tgaaaccctg	gaggacctgg	acagaaacaa	agatggctat	gtccaggtgg	720
aggagtacat	cgcggatctg	tactcagccg	agcctgggga	ggaggagccg	gcgtgggtgc	780
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accacctgct	gcacgaragc	gacacggaca	aggaygggcg	gctgagcaaa	gcgsaaatcc	960
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ggcaccacga	tgagctgtga	gcmccgngca	cctgccacag	cctcagaggc	ccgcacaatg	1080
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ccctgtcaca	cccccaaccc	caggggagggg	ctgtcatagt	cccagaggat	aagcaatacc	1260
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agaaccgccc	caaccctccc	agctccaaat	ctgagcctcc	accacataga	ctgaaactcc	1380
cctggcccca	gccctctcct	gcctggcctg	gcctggggaca	cctcctctct	gccaggaggc	1440
aataaaaagcc	agcgccggga	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	1500
aaaaaan						1507

<210> 57
 <211> 450
 <212> DNA
 <213> Homo sapiens

tttttttact	cgaaaaaatg	tttaatatagaa	tttaaaaattt	taacttcagg	gaattttggaa	60
gttcaatcat	tctcaaagag	gctgtaagga	tgattaaaat	cctgaaggaa	gccattgaag	120
aaacttcctt	ctgctctttc	tggaggatct	cttttcaatt	atctattcat	catatatattc	180
ttatcttctg	tgcacaattg	acaactcttc	tttacagcac	attcctctty	attcccatct	240
cttggtttct	gattgttcct	ggggctgttg	ataaaacat	tctctgagaa	gctgataagc	300
aattggatga	gaaagargga	gargaaaact	ggcaggarga	tctggsccca	tgcccgcagc	360
cagcacatct	ctcttcagac	ctgggtgaccc	cagccactgg	gaacctggca	ggcaccagct	420
acagtgttgg	acactgctcg	tgccgaattc				450

<210> 58
 <211> 1147
 <212> DNA
 <213> Homo sapiens

ggcacgagac	ccattgagca	gaaggaggcc	aggtggggaaa	gctcctggga	agagcagcca	60
gactggacac	tgggctgctt	gagtcctgag	tcacaattca	gaattcctgg	gctccctggg	120
tgcatttctat	cattccagtt	gaaagtttgc	ttccttccag	tcatgtggct	cttcattcta	180
ctctccttgg	ctctcatttc	agatgccatg	gtcatggatg	aaaagggtcaa	gagaagcttt	240
gtgctggaca	cggcttctgc	catctgcaac	tacaatgccc	actacaagaa	tcaccccaaa	300
tactggtgcc	gaggetatth	ccgtgactac	tgcaacatca	tcgccttctc	ccctaacagc	360
accaatcatg	tggccctgaa	ggacacaggg	aaccagctca	ttgtcactat	gtcctgcctg	420
aacaaagaag	acacgggctg	gtactggtgt	ggcatccagc	gggactttgc	cagggatgac	480
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tgggaaagac	tatcaggcac	aaaaccagaa	gctgcaaggc	tcccaaagtt	gtccgcaagg	600
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tctctgtaat	cagtcatttg	accaaaagga	ggagaagtca	aaggaataga	agggtaggca	720
acactttgaa	gcccttctcg	cgtgtcctga	ctccaaagga	aatggctcct	actgaacaga	780
tgtgactgaa	gattttttta	atttagttca	taaagtgatg	ctacaacaga	ataatcacca	840
tgacaactgg	ccccacacct	cagagactga	ttctgatctc	ccaggaattc	tgaagggtccc	900
tctatccttg	acaacaatca	tttgagacca	ggtagcaacg	gcagtagtca	gaggagctat	960
gatagaccac	accaagcaa	ggctgccttc	aaataacatc	tcaagatcct	agttcttatg	1020
cattccatca	gtcagaagtg	aagaagaggt	ggagaatctg	gattggggac	caggaaatca	1080
cttgtatttt	gttagccaat	aaattcctag	ccagtgttga	atgaaaaaaa	aaaaaaaaaa	1140
aaaaaaa						1147

<210> 59
 <211> 777

<212> DNA
<213> Homo sapiens

<400> 59
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 gttgccttac cgctgacgta gctcacccat cttttacttg cctggctaag atgcatggca 120
 tywcatttcc tccttggtgc actgcagtca gtccctcact gcccccatct cctggaagag 180
 gagcataagc tttgcaaggc cagccacttc tctgggggtca cactagttac atcaagacag 240
 gactccagct catatgtgcc agtgcagaca ctcttcatcc acctggggcc ctgggcttgg 300
 gacctggytc cttgcacagc agargacccg gaggctgaga ggagcttgcg gttgtgtcat 360
 agtcacctgg ccagarggaa cgtgagcccc tccaagctg cagarggarg garcargcgt 420
 ggctgtcagc accgaggtag cagagaatta acattcttgt cagcagagaa tgaagcagga 480
 atataattaa aactttgccc ttggaatagc tgattcattt gaattttatt ccacacgttt 540
 gaaagaggaa agaaaatgtg aagacttgca gcctgggtct cgcctggcct gggctggccc 600
 agctgtcagg cccggttcct ttctgagcat tcagtccact gatgttgact gagggccagg 660
 agagaccctc agcaggggtat taccatatca gcctcctatc gctgctggga gaaattacca 720
 tgaattcagt ggcttaaaac aacacacgag cctctctgag cctaccctgg ctcagga 777

<210> 60
 <211> 1191
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (5)
 <223> n equals a,t,g, or c

<400> 60
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 ggggcaagaa tcagggtgaa aatgagtgtg aacaaagccc atcctgtggt cagcacccac 120
 tggaggtggc cagcagagtg gcctcagatg ttcctgcacc tggcccagga gcccaggaca 180
 gaggtcaaat ctaggccctt tgggtctggt ggattcatca ggcaagattc gaaaacaaga 240
 aaacctctag aacaagaaac aatcatgtct gcagcagata cggcactgtg gccctatggc 300
 catggcaatc gtgagcacca agagaatgag ttacagaaat atctccaata caaagacatg 360
 catctcctgg acagtggaca gtgcgtggga cacacacaca cacttcaagg ctcacacaac 420
 ctaacagcct taaatatctg aagaaacaga atcacgacat taagtcagca gagggagagg 480
 taggctgaag cagcaggagg ccaattttat atcccacaga tttttttaaa aatgactccc 540
 cagcaagggg tggggagaaa gccactgatt taggagagtt cttggctcag ccaaccactg 600
 cggttatcta caggttttac aaaggcacrg aagtagagag gggctgcact cacgaccctc 660
 cccagggccc gcacagccag acacgggtgg ttcttccttt ttccttcttg gccttggtgg 720
 aattcctacc acggtggcct ctgccttttg gacaatgcct tcatgctcat ccccgggtca 780
 aggatggagt ctgttaccat tttccagggg aaattccaag gaccagcccc gcctcattac 840
 gttcacccca caggaagggt atctggaaag cctgtaaaca cgtactctgg gtggctgagt 900
 ggtgtcacca agctgctttt gtgcagggct gaagcacaga caagagggca ggcagctgcc 960
 ggaggcctga agtggggaga gatccccgca ggcctgcagg agccaggag aacctccaac 1020
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 caaagccctt cccagggcct gcaggaagag agggagggtg aggagaggca gggagggcag 1140
 aggtcgcctg aaagcctggg ctccgaactc cctcagcaga gcttttaaagt g 1191

<210> 61
 <211> 1580
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1567)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature

<222> (1575)

<223> n equals a,t,g, or c

<400> 61

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accacagctt	cctggtggag	cccatcagct	gccacgcctg	gaacaaggac	cgcacccaga	180
ttgccatctg	ccccaaacaac	catgaggtgc	atatctatga	aaagagcggg	gccaaatgga	240
ccaaggtgca	cgagctcaag	gagcacaacg	ggcaggtgac	aggcatcgac	tgggcccccg	300
agagtaaccg	tattgtgacc	tgcggcacag	accgcaacgc	ctacgtgtgg	acgctgaagg	360
gccgcacatg	gaagcccacg	ctggtcatcc	tgcggtatcaa	ccgggctgcc	cgctgcgtgc	420
gctgggcccc	caacgagaac	aagtttgctg	tgggcagcgg	ctctcgtgtg	atctccatct	480
gttatttcga	gcaggagaat	gactgggtggg	tttgcaagca	catcaagaag	cccatccgct	540
ccaccgtcct	cagcctggac	tggcacccca	acaatgtgct	gctggctgcc	ggctcctgtg	600
acttcaagtg	tccgatcttt	tcagcctaca	tcaaggaggt	ggaggaacgg	ccggcaccca	660
ccccgtgggg	ctccaagatg	ccctttgggg	aactgatgtt	cgaatccagc	agtagctgcg	720
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acgactgctt	cccgggtgctg	ttcacctatg	acgccgccgc	ggggatgctg	agcttcggcg	960
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cgcagtctctg	caccactggc	atggatggcg	gcatgagtat	ctgggatgtg	aagagcttgg	1200
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agctgctggg	gaagcgggga	gaggggtcag	ggaggctaata	ggttgctttg	ctgaatgttt	1320
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gaaaaaaaa	aaaaatgccc	ccaaagcact	atgctgggtca	tgaactgctt	caaaatgtgg	1500
aggtaataaaa	atgcaactgt	gtaaaaaaaaa	aaaaaaaaaaa	aaatgaccct	cgcgatctag	1560
aactagnccg	acgcntgggt					1580

<210> 62

<211> 1117

<212> DNA

<213> Homo sapiens

<400> 62

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gcagaaggga	ggcacttgag	aaatgtcttt	cctccaggac	ccaagtctct	tcaccatggg	180
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tggagctgtg	attatggccg	tgcggaggcc	aggctgtttc	ctctgtcgag	aggaagctgc	420
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aactgcccag	ctcagggata	accagggaca	ttcacctgtg	ttcatgggat	gtattgtttc	900
cactcgtgtc	cctaaggagt	gagaaaccca	tttatactct	actctcagta	tggattatta	960
atgtattttt	atattctgtt	taggccact	aaggcaaaat	agccccaaaa	caagactgac	1020
aaaaatctga	aaaactaatg	aggattatta	agctaaaacc	tgggaaatag	gaggcttwaa	1080
atgactgccm	gctgggtgct	gctcacactt	ggccac			1117

<210> 63

<211> 361

<212> DNA

<213> Homo sapiens

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<400> 63
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ctggactgga tttattcagt gttgctgctt gccatcgttt taatctcctg gggctgcatc      180
atctatgctt cgatgggtgtc tgcaagacga cagctaagga agaaatacc cagacaaaatc      240
tttgggacga atgaaaattt gtaactcttc tggatttaat tatctgaaaa tacagttctt      300
tcctcatgc ttatgtagat ataaaaataa aattcataat gcaaaaaaaaa aaaaaaaaaa      360
g                                                                                   361

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<210> 64
<211> 1668
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1664)
<223> n equals a,t,g, or c

```

```

<400> 64
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actcatacac gtgcgagtgct ttggagggat tccggctcgc tgaggatggg aaacgctgcc      120
gaagaaggat gtctgcaaata caaccaccca tggctgcgaa cacatttgtg ttaataatgg      180
gaattcctac atctgcaaata gctcakaggg atttgttcta gctgaggacg gaagacgggtg      240
caagaaatgc actgaaggcc caattgacct ggtcttttgt atcgatggat ccaagagtct      300
tggagaagag aatttttgagg tcgtgaagca gtttgtcact ggaattatag attccttgac      360
aattttcccc aaagccgctc gagtggggct gctccagtat tccacacagg tccacacaga      420
gttccactct agaaacttca actcagccaa agacatgaaa aaagccgtgg cccacatgaa      480
atacatggga aagggctcta tgactgggct ggccctgaaa cacatgtttg agagaagttt      540
taccacagga gaaggggcca ggccctttcc acaagggtgc ccagagcagc cattgtgttc      600
accgacggac gggctcagga tgacgtctcc gagtgggcca gtaaagccaa ggccaatggg      660
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tctgagccca caaacaagca tctcttctat gccgaagact tcagcacaat ggatgagata      780
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ggaagccctt tggaaagaaa acacgatcaa tgcaaatgtg aaaaccttat aatgttccag      1020
aaccttgcaa acgaagaagt aagaaaatta acacagcgtc tagaagaaat gacacagaga      1080
atggaagccc tggaaaatcg cctgagatac agatgaagat tagaaatcgc gacacatttg      1140
tagtcattgt atcacggatt acaatgaacg cagtgcagag ccccaaagct caggctattg      1200
ttaaataaat aatgttgtga agtaaaacaa tcagtactga gaaacctggg ttgccacaga      1260
acaaagacaa gaagtataca ctaacttgta taaatttata taggaaaaaa atccttcaga      1320
attctaagat gaatttacca ggtgagaatg aataagctat gcaaggattt ttgtaataa      1380
ctgtggacac aacttgcttc tgcctcatcc tgccttagtg tgcaatctca tttgactata      1440
cgataaagtt tgcacagtct tacttctgta gaacactggc cataggaaat gctgtttttt      1500
tgtaytggac tttaccttga tatatgtata tggatgtatg cataaaatca taggacatat      1560
gtacttgtgg aacaagttgg attttttata caatattaaa attcaccact tcagagraaa      1620
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaanaaaa      1668

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```

<210> 65
<211> 1353
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1322)
<223> n equals a,t,g, or c

```

```

<220>
<221> misc_feature

```

<222> (1341)

<223> n equals a,t,g, or c

<400> 65

gggtcgaccc	acgcgtccgc	ccacgcgtcc	ggatggctgc	gctgttgctg	agacacgttg	60
gtcgtcattg	cctccgagcc	cacttttagcc	ctcagctctg	tatcagaaat	gctgttcctt	120
tgggaaccac	ggccaaagaa	gagatggagc	ggttcttgaa	taagaatata	ggttcaaacc	180
gtcctctgtc	tccccacatt	actatctaca	gttggctctt	tcccatggcg	atgtccatct	240
gccaccgtgg	cactgggtatt	gctttgagtg	caggggtctc	tctttttggc	atgtcggccc	300
tgttactccc	tgggaacttt	gagtcttatt	tggaaacttg	gaagtccctg	tgtctggggc	360
cagcactgat	ccacacagct	aagtttgcac	ttgtcttccc	tctcatgtat	catacctgga	420
atgggatccg	acacttgatg	tgggacctag	gaaaaggcct	gaagattccc	cagctatacc	480
agtctggagt	ggttgtcctg	gttcttactg	tgttgtcctc	tatggggctg	gcagccatgt	540
gaagaaagga	ggctcccagc	atcatcttcc	tacacattat	tacattcacc	catctttctg	600
tttgtcattc	ttatctccag	cctgggaaaa	gttctcctta	tttgtttaga	tccttttgta	660
ttttcagatc	tccttgagac	agtagagtac	ctggtagacc	ataatagtgg	aaaagggtct	720
agttttcccc	ttgtttctaa	agatgaggtg	gctgcaaaaa	ctcccccttt	ttgcccacag	780
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tgagggtcag	cttttggtct	cttcttcctg	agacagtggg	aacaatgcca	gctctgtggc	900
ttctgccctg	gggatgggcc	gggttggggg	gtgggttggt	gaggcttttg	gtgccactgc	960
ctgtgggttg	ctggcttaaa	ggacaattct	cttcattggt	gagagcccag	gccattaaca	1020
cctacacagt	gttattgaaa	gaagagaggt	gggggtggag	gggaattagt	ctgtcccagc	1080
tagagggaga	taaagagggc	tagttagttc	ttggagcagc	tgcttttgag	gagaaaatat	1140
atagcttttg	acacgaggaa	gatctagaaa	attatcattg	aacatattaa	tggttatttc	1200
tttttcttgg	atttccagaa	aagcctctta	attttatgct	ttctcatcga	agtaatgtac	1260
cctttttttc	tgaactgaa	ttaaatactc	attttatctt	tgaaaaaaaaa	aaaaaaaaacc	1320
tngggggggg	ccccggaccc	naattggccc	tat			1353

<210> 66

<211> 1011

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (951)

<223> n equals a,t,g, or c

<220>

<221> misc_feature

<222> (952)

<223> n equals a,t,g, or c

<400> 66

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aatgacacaa	gtgatcagat	tatttctggt	ggaatagaca	atgatatcaa	ggtctgggac	120
tgcgccagaa	caagctaacc	tacaccatga	gaggccatgc	agattcagtg	actggcctga	180
gtttaagttc	tgaaggctct	tatcttttgt	ccaatgcaat	ggacaataca	gttcgtgtct	240
gggatgtccg	gccatttgcc	cccaaagaga	gatgtgtaaa	gatatttcaa	ggaaatgtgc	300
acaactttga	aaagaacctt	ctgagatggt	cttgggtcacc	tgatggaagc	aaaatagcag	360
ctggctcagc	cgacagggtt	gtttatgtgt	gggataccac	aagcaggaga	atattgtata	420
agctgccccg	ccatgctggc	tccatcaatg	aagtggcttt	ccaccctgat	gagcccatca	480
ttatctcagc	atcgagtgc	aagagactgt	atatgggaga	gattcagtg	agatatggac	540
tgggaagactc	caaggccgct	tgtctttgag	acctcagact	gcataagtga	tgccaaatgt	600
tggatgtcca	ggytagcacc	ctcccttcag	atgaccattg	ctagcaagaa	acaggaggcg	660
gtggccatat	tccaaaaacc	acttctgtcc	catttcacca	ggatgactaa	ggcaagctcc	720
ctgtggcctc	taaaaaccac	ctgccagatt	tcagggactg	tttttttttt	tctttttctt	780
ttttcctggt	ttctaattga	ggcccaatgt	gacaaatttg	ttggttggga	tttttttttt	840
tttttgtaac	tggcttgtat	gatattttct	ttctgtatgt	ctctatatca	ttttgtatta	900
aaagccaaat	agatgccttt	ttacaagarm	aaaaaaaaaa	aaaaaaaaaa	nnaaaaaaaa	960
ctgggagggg	gggcccggta	cccaaatcgc	cggatatgat	cgtaaacat	c	1011

<210> 67
 <211> 1193
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (512)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (1167)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (1169)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (1171)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (1185)
 <223> n equals a,t,g, or c

<400> 67

ggccgggagg	tgcgcactgc	gggcgcaccc	ctgccccggc	gccgtccgtg	cccgcgggac	60
ctgacagccg	ggtcagaggg	cgaactgtgc	tcaggccccg	gctggacgca	gagccagagc	120
tgtccccaga	ggagcagagg	gtcctggaaa	ggaagctgaa	aaaggaacgg	aagaaagagg	180
agaggcagcg	tctgcccggg	gcaggccttg	tggcccagca	cccgcctgcc	aggcgctcgg	240
gggcccgaact	ggcctggggc	tacctctgca	gatggggccca	aaagcacaa	aactggagggt	300
ttcagaagac	gaggcagacg	tggctcctgc	tgcacatgta	tgacagtgc	aagggtccccg	360
atgagcactt	ctccaccctg	ctggcctacc	tggagggggc	gcaggggccg	gcccagagagc	420
tgacgggtgca	gaaggcggaa	gcctgatgcg	ggagctggat	gaggaggggt	ctgatcccc	480
cctgccgggg	agggcccagc	gcatccgaca	gntgctgcag	ctgctctcct	agtgggttca	540
gcgcggggcg	gggcccgtgc	ccagtgcagg	gctgcctcag	accacacagg	gtgcagctcc	600
tccggcggtg	ggggccgggt	tcaccagcag	ggcagcggct	gagcaagggc	tttcagctcc	660
tccgggtggtg	ggggccggga	tcaccagcac	cagagcctcg	caaggggccc	ttccctcctc	720
cagaccctcc	ttggccgggtg	acgctgtgac	agtgatggca	ggttcagtgc	cttcagcgca	780
gagcgtggat	gctctggaat	cacccggacc	cctggccttg	gagggaccct	ccagccccag	840
gaatctgctt	tggagggaaa	tgtctatatt	tctaccggga	atattttaga	gattggggca	900
tgctggctcc	ttccggccagc	tgcaaacctg	caccttccgc	ctgattcccc	atccccctgc	960
gtggggccgca	ttcctgggtc	cctgcctgcg	tccatcgagg	ggcctggctg	tggcctgttt	1020
tcctttgacc	ccacacagcg	tcattgcggg	tcattggggag	cccctgggtg	gagcttgtgg	1080
agtcggatca	cgtacctgtg	cagaaaccgc	ctctgtggct	gcatttgaaa	taaaaccgga	1140
cccagcagca	aaaaaaaaaa	aaaaaancnc	nagggggggc	ccgnaccaca	att	1193

<210> 68
 <211> 560
 <212> DNA
 <213> Homo sapiens

<400> 68

gaattcggca	cgagttggca	catgatgcaa	aatgcatttc	tcagagtaga	ttgcagtcaa	60
aaatgttgga	aactactaag	catgtgcara	tagcatgcat	gctgctgctg	acctgccaga	120
tattttctccc	ttcctccctt	tctccctcat	ttattcattc	attaactgat	tcattcatcc	180
cattaaaaaa	attatatgta	tgttttgtgc	aaagcacccct	actcaaggct	gcgggggtaca	240
aaagtatatc	agaagccttg	ggcctttgacm	wacttctctg	tagtagtgct	agatttgtgt	300

ggatctgcc	cacttactcc	aggcctcttg	tgacctgtgc	tttgcattaa	tctcttaggc	360
taagccacat	accttttcat	tatacaatct	ttgctgatgc	taaggacaga	ttccaaagt	420
ccctccttat	aatttttgta	tttaatgcaa	agtgtaatca	agaataggcc	attgttaggt	480
caattgcttt	tctgtattta	tcttttcaaa	caataaataa	tcagtgggat	gaaaaagggc	540
cggaaaaaaa	aaaaaaaaaa					560

<210> 69
 <211> 1657
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (6)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (343)
 <223> n equals a,t,g, or c

<400> 69						
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gcgagagcca	gcgagcgagc	gagcgagccg	agccgagcct	cccgcctgcg	ccatggggcca	120
gaacgacctg	atgggacacg	ccgaggactt	cgccgaccag	ttcctccgtg	tcacaaagca	180
gtacctgccc	cacgtggcgc	gcctctgtct	gatcagcacc	ttcctggagg	acggcatccg	240
tatgtggttc	cagtggagcg	agcagcgcg	ctacatcgac	accacctgga	actgcggcta	300
cctgctggcc	tcgtccttcg	tcttcctcaa	cttgctggga	cantgactgg	ctgcgtcctg	360
gtgttgagca	ggaacttcgt	gcagtacgcc	tgcttcgggc	tctttggaat	catagctctg	420
cagacgattg	cctacagcat	tttatgggac	ttgaagtgtt	tgatgaggaa	cctggccctg	480
ggaggaggcc	tggtgctgct	cctagcagaa	tcccgttctg	aagggaagag	catgtttgcg	540
ggcgtcccca	ccatgcgtga	gagctccccc	aaacagtaca	tgacgctcgg	aggcagggtc	600
ttgctgggtc	tgatgttcat	gaccttcctt	cactttgacg	ccagcttctt	ttctattgtc	660
cagaacatcg	tggggcacag	ctctgatgat	tttagtgggc	attggtttta	aaaccaagct	720
ggctgctttg	actcttggtg	tgtggctcct	tgccatcaac	gtatatttca	acgccttctg	780
gaccattcca	gtctacaagc	ccatgcattga	cttcctgaaa	tacgacttct	tccagaccat	840
gtcggtgatt	gggggcttgc	tcctgggtgg	ggccctgggg	cctgggggtg	tctccatgga	900
tgagaagaag	aaggagtggg	aacagtcaca	gatccctacc	tgccctggct	agacccgtgg	960
ccgtcaagga	ctggttcggg	gtggattcaa	caaaactgcc	agcttttatg	tatectcttc	1020
ccttccccct	ccttggtaaa	ggcacagatg	ttttgagaac	tttatttgca	gagacacctg	1080
agaatcaatg	gcttcaggac	atgggttctc	ttctcctgtg	atcattcaag	tgctcactgc	1140
atgaagactg	gcttgtctca	gtgtttcaac	ctcaccaggg	ctgtctcttg	gtccacacct	1200
cgctccctgt	tagtgccgta	tgacagcccc	catcaaataa	ccttgggcaa	gtcacgggtt	1260
ctctgtggtc	aagggttggt	ggctgattgg	tggaaagtag	ggtggaccaa	aggaggccac	1320
gtgagcagtc	agcaccagtt	ctgcaccagc	agcgccctcc	tcctagtggg	tggtcctgtt	1380
tctcctggcc	ctgggtgggc	tagggcctga	ttcggggaaga	tgcccttgca	gggaggggag	1440
gataagtggg	atctaccaat	tgattctggc	aaaacaattt	ctaagatttt	tttgctttat	1500
gtgggaaaca	gatctaaatc	tcattttatg	ctgtatttta	tatcttagtt	gtgtttgaaa	1560
acgttttgat	ttttggaaac	acatcaaaat	aaataatggc	gtttgttgta	aaaaaaaaaa	1620
aaaaaaactc	grgggggggc	ccggtaccca	aatcgcc			1657

<210> 70
 <211> 711
 <212> DNA
 <213> Homo sapiens

<400> 70						
ggcagcagcg	aagaccctgt	tcggaccctg	ccccgattcc	agactcaggt	agatcgctcg	60
cataccctct	accgtggaca	ccaggcagcc	ctggggctga	tggagagaga	tcaggatatcc	120
cccaggaggt	aggggctacc	ttgaggggat	gatagacctc	ccccactccc	agtgkkactc	180
tggaaatatg	aaggaactag	ggagtgggaag	agatttcaga	gctggggaga	ggagtctctc	240
ccttcaaagc	cagcaactgc	ctttggggaa	tgctgggggg	tctctccttt	ctcctgcttg	300

tgatkargtg	tacacagtcc	ccccttcacc	tggcgggaag	ctgtcccga	cagactcatc	360
tcagctttcc	cttggggcag	gatcgggggc	agcagctcca	gcagaaacag	caggatctgg	420
agcaggaagg	cctcgaggcc	acacaggggc	tgctggccgg	cgagtgggccc	ccacccctct	480
ggragctggg	cagcctcttc	caggccttcg	tgaagaggga	gagccaggct	tatgcgtaag	540
cttcatagct	tctgctggcc	tgggggtggac	ccaggacccc	tggggcctgg	gtgccctgag	600
tggtggtaaa	gtggagcaat	cccttcacgc	tccttggcca	tgttctgagc	ggccagcttg	660
gcctttgcct	taataaatgt	gctttatatt	caaaaaaaaa	aaaaaaaaaac	t	711

<210> 71
 <211> 935
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (510)
 <223> n equals a,t,g, or c

<400> 71						60
ggcacagggt	gaaagccagc	taaaccccaa	gtggagaagt	gaaagacatg	gttggtccca	120
taagttttatt	gctcacatta	tgaaagaagc	catagtcatg	agtgaaccac	tccttaggtt	180
gataaggaaa	ccaacacgga	agatctcttt	ctggaagaag	cagccagcct	cgtgaaggag	240
cggcccagcc	gccgggccc	agggtcgcct	tttggtcggg	gtggcacgat	tgtccgttcc	300
cagacattct	cgctgggagc	acgaagccag	tatgtttgca	gactttatcg	tagtgacagc	360
gacagttcaa	cgctgccccg	gaagtcccc	tttggtccga	atactttgga	aagacgaacc	420
cttcgctata	agcagtcacg	caggctcttc	ctggctgagc	tcattggccc	cacctccctg	480
gacttgaggc	tgatctccca	ggcgtcgaga	acacggcaga	ggcagctgaa	tgaggagctc	540
tgccgcccct	gtgagctgag	gcagcgggtn	ggaggacgac	cagctccgtg	gccagactga	600
cctcccaccc	tggtgtgctt	gggacgagcg	gctccgtggc	ctgctgcggg	agccgagcgg	660
cagacaagac	agaccaaact	tgactaccgt	catgagcagg	cggctgagaa	gatgctgaag	720
aaggcctcca	aggagatcta	ccagctgcgt	ggcagagcca	caaagagccc	atccaagtgc	780
agacctttag	ggagaagata	gcattcttca	caaggccaag	gatcaacata	cctcctctcc	840
cagccgacga	cgtctgatgg	agtgcattgt	gcacatgaag	tatttatcca	cctgttttat	900
tttcatgaag	ttcttagact	agctgaattt	gtctttaaaa	tatttgtgca	aagctattaa	935
tatacacatt	ttgtaaaaaa	aaaaaaaaaa	aaact			

<210> 72
 <211> 504
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (504)
 <223> n equals a,t,g, or c

<400> 72						60
gcagggggcga	ggggytgggg	accgcggggc	ggacggggagc	gagtatgtcc	gctctgactc	120
ggctggcgctc	tttcgctcgc	gttgaggggc	gccttttcag	aagcggctgc	gcacggactg	180
ctggagatgg	tgagtcctgt	catgccgggtg	gtgggtgtgca	cattgagccc	cggatatagac	240
agttccccca	gctgaccaga	tcccagggtgt	tccagagcga	gttcttcagc	ggactcatgt	300
ggttctggat	tctctggcgc	ttttggcatg	actcagaaga	ggtgctgggt	cactttccgt	360
atcctgatcc	ttcccagtgg	acagatgaag	aattaggtat	ccctcctgat	gatgaagact	420
gaagggttag	actcagcctc	actctgtaca	agagccagggt	gagaatttca	aggattatcg	480
acttcatatt	gcacattaaa	gttacaaatt	aaagtggcct	ggtcaagaat	garaaaaaaa	504
aaaaaaaaatt	gggggggggc	cccn				

<210> 73
 <211> 620
 <212> DNA
 <213> Homo sapiens

```

<400> 73
gaattcggca cgaggaggag gggaggcggg gtaagtttgg tgggaaactc tgtaatttcc      60
wtttttactt tcacagcaat agtgcagaat ccagaatgga tgtcctcttt gtagccatct      120
ttgctgtgcc acttatcctg ggacaagaat atgaggatga agaaagactg ggagaggatg      180
aatattatca ggtgggtctat tattatacag tcacccccag ttatgatgac tttagtgcag      240
atttcaccat tgattactcc atatttgagt cagaggacag gctgaacagg ttggataagg      300
acataacaga agcaatagag actaccatta gtcttgaaac agcacgtgca gaccatccga      360
agcctgtaac tgtgaaacca gtaacaacgg aacctcagag tccagatctg aacgatgccg      420
tgtccagttt gcgaagtcct attcccctcc tcctgtcgtg tgcctttgtt caggtgggga      480
tgtatttcat gtagaagggt gaagaaggct gctatgactc tttggatggg agtctggcaa      540
gaggaaattg gaagataaaa taaataataa gtgaaataaa aaaaaaaaaa aaaaactcga      600
ggggggggccc ggtacccaat                                     620

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<210> 74
<211> 581
<212> DNA
<213> Homo sapiens

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<400> 74
acaagggtgtg tgtaaagttt atgtttgtaa actgaattct atcttaaate caaaaagaac      60
tcggggagtaa ttcattttttg tagcataaag atccctaagt tttattttga aatatctgat      120
ttttacacgt taaaaaataa cagggcatcg agaggattcc taggtgacat ccagactcct      180
ttagctttgt gtgtgtggca ccgggttagtc tgcttctctc tcctttcttg cactgcttca      240
cacagccatg ccctgccagc ccgggcaggt gccttcctgt caatgtacat ttgggcttct      300
gctcatgctg ccctcccctcc cctcccctgc ctcccaaccc cgcccccttt gttcctccat      360
ggagtacttc catgggtgtg cctccccccag ccaagccata atagggtggt tccccttcgc      420
ttctgtagcc cttgcagaca tcctctgttt acagtaggtg ttgacttact tcccctctcc      480
ccgstaagc cataaactcc ttaaggacag gtagcattct tagtatcttc gttcttctca      540
atgaccagta gaccattaaa catgtagcaa acaaatgtga a                                     581

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<210> 75
<211> 1843
<212> DNA
<213> Homo sapiens

```

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<220>
<221> misc_feature
<222> (10)
<223> n equals a,t,g, or c

```

```

<220>
<221> misc_feature
<222> (24)
<223> n equals a,t,g, or c

```

```

<220>
<221> misc_feature
<222> (91)
<223> n equals a,t,g, or c

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<220>
<221> misc_feature
<222> (213)
<223> n equals a,t,g, or c

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<220>
<221> misc_feature
<222> (1633)
<223> n equals a,t,g, or c

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<400> 75
aaacccaacn ccctccgggc ccnnaaagaa agcccagccc aaatcccaag ccggcagtga      60
gcccgcgaac aaggccctca agacgcccag ncgaacaagc agccccagc agggcccgca      120
agagaactcc ctggcggccc aagcgggagc cttctgtgcg gcagaactca gccaccgaga      180
gcgcagacag catcgagatt tatgtcccg agnccagac caggctctga gaccatgcag      240
gaggaaagaa acgattttta atcattaaaa acacaaaaac taagtgcgaa cggaacagag      300
ttttctcaac ctttgctatg gttattctgt ctagagaccc tgagccaact ttcaaattga      360
cgcatacaag ggctcacaat ttggcttttt tgggtccctc ccagcttttag gttatgaaga      420
ttttactcac aaaaaaaatc aacaaaaatc acgaaactag aaaacttttt ttttctctt      480
gctggccgtg gtggactaga tagatggacg tgggcaactc ccggcccagc ctccatactg      540
cggtcttttt actcgttcta tctgatgaga actcacacta gcttggttac aagatgacga      600
cagtcacaag gcagccttgg gcacctgcca tgtccctcct ttccccagct atccccgctc      660
tgaccttgat tttcattctt atgtttttct cttttccctt cagagctcac acagtgggtca      720
ccattgtggc aagcggcttt ctgggtctca gccctctctg cgggttgaggg cccagaggac      780
agagagatgg acatgcgtcc cctccctccc cccgccaagt gctcacacac aacctcacgc      840
gcacacacac acacgcagat ggaggcgct cactgggagg tgccccgcca gccctgggca      900
gtgtcaggca ggactcactc accgctgagc agatgagaga agtttttagt ttggcgggtg      960
gaaatgagac gaagccacag ttatcacact ccagactcct gcccttttat tttctccagc     1020
cccttcttcc ttcagcaaaa tctaggactc ccgagtggct tccagggggc cgtcagtcct     1080
cagccgcgcc tgtgtccggg gcccgagggg cgggcggcgg tgtctgtatg tatgtgtaca     1140
tatgcacata gaccttagag tgtatagtta acaaacgccc atctgctcac ccatgcccac     1200
ccagcgcgcg cgccgctggc tctcggggca cctggcagga ggccgggtgtg tgaatagcat     1260
atatttttac atgtactata tctaggtgtg tgtacaagtg tgtgtaaaaa tatatacctt     1320
gtgtgtgaag agcccttttt ttttttggtc tccaccccc tcccccgcc ccgcactcct     1380
aagggcccat ctgcccagcc tctgagtttt ctgttctatt ttttttttaa cccaattat     1440
ccttctctct ctcctgcccc cgcacccac tcccagggtg tcacgagccc tgagctgcaa     1500
tggcccgggc ctgcaggggc gggtagggga gggcarggct sagccccgaa gccagctcag     1560
tacctgaggg gctgctctat gctgtgtatg cgcctctctg gcacccgaga catcctcttg     1620
gtggcgcttg ctngcagggg accccccccc cgtccccag tgaaccaagg gtctgctccg     1680
gggcccattt ccagcttggc cgccgtctgt gaccttgggc aagtcacttg acctctgtgt     1740
gcctcaactt cctcctctgt aaaacgggga cagtccttgc ccctccctac ctcacaggca     1800
tgttgtgaga ataaatgagg taacgtgtaa aaaaaaaaaa aat                        1843

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<210> 76
<211> 1441
<212> DNA
<213> Homo sapiens

```

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<220>
<221> misc_feature
<222> (1056)
<223> n equals a,t,g, or c

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<220>
<221> misc_feature
<222> (1081)
<223> n equals a,t,g, or c

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<220>
<221> misc_feature
<222> (1109)
<223> n equals a,t,g, or c

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<220>
<221> misc_feature
<222> (1328)
<223> n equals a,t,g, or c

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<220>
<221> misc_feature
<222> (1362)
<223> n equals a,t,g, or c

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<220>
<221> misc_feature

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<222> (1419)

<223> n equals a,t,g, or c

<400> 76

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acacgccttc	atgaagggcg	ttttcacctt	cgtcacaggc	accggcatgg	cctttggctt	180
gcagatgttc	attcagagga	agtttccata	ccctttgcag	tggagcctcc	tagtggccgt	240
ggttgacagg	tctgtggctc	gctacggggt	gacgagagtg	gagtcggaga	aatgcaacaa	300
cctctggctc	ttcctggaga	ccgggcagct	ccccaaagac	aggagcacag	atcagagaag	360
ctaggagagc	tccagcaggg	gcacagagga	ttggggggcag	gaggagtctg	gaacacagcc	420
ttcatgcccc	ctgaccccag	gccgaccctc	cccacaccct	agggtagccc	agtcgtatcc	480
tctgtccgca	tgtktggcca	ggcctgacaa	acacctgcag	atggctgctg	ccccaacctg	540
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tccaacaagt	ccaaggtgac	agctgggtgt	aggggcgtgg	ggttaataaa	tggcttatcc	780
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gacagggtcac	atgaaacctt	tattacccta	cagttgatat	atgaggatca	catgcaagtt	900
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aagtcactcc	ccagaggcag	agctagcccg	ttgtagccgt	gtctgtgtgg	agggaaagct	1200
tctgagtggg	caagcctaca	cacagccccg	agccccaaga	ggaggaagag	gtggagacca	1260
gacggaacct	ccacaagtcc	atcatgggta	cagctggcct	ccccgcagca	ccgaagaccc	1320
acagcatngg	ccctgctgcc	cccgaaccag	ctcagctgcc	angcctcacc	ttgccaggaa	1380
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g						1441

<210> 77

<211> 910

<212> DNA

<213> Homo sapiens

<400> 77

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atcggggccc	tgggaagcgc	ctgtctatcc	cgggggcagg	acctgagcgc	ccctgaccct	180
cgagcctgtc	gcaggtacaa	gccccgcgg	agcgaatgta	acccggcctt	ggacgacccg	240
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agctcggagg	acacgaagca	aatgatgagt	agcttcatgt	gagacttgcc	ctacagaaca	420
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caccctaggc	ttacccctcc	tgcctccctt	cccctgctgt	ctgctggggg	agatgctgtc	780
catgtttcta	ggggatttca	tttgctttct	cgttgaaacc	tgttggtta	aaagtttttc	840
actctgaaaa	aaaaaaaaaa	aaaaaaaaac	tygrgggggg	gcccgggaacc	caattcscgg	900
gatagtgagt						910

<210> 78

<211> 2776

<212> DNA

<213> Homo sapiens

<400> 78

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ggagcggcag	cgraaggggg	aggctgggcg	gcggcggcgt	tggcgcttct	gacggggggc	180
ggggaaatgc	tgctgaacgt	ggcgctgggt	gctctgggtg	tgctgggggc	ctaccggctg	240
tgggtgcgct	gggggcggcg	gggtctgggg	gccggggcgg	gggcggggcg	ggagagcccc	300
gccacctctc	tgcttcgcat	gaagaagcgg	gacttcagct	tggagcagct	gcgccagtac	360
gacggctccc	gcaacccgcg	catcctgctc	gcggtcaatg	ggaaagtctt	cgacgtgacc	420
aaaggcagca	agttctacgg	cccggcgggt	ccatatggaa	tatttgctgg	tagggatgcc	480
tccagaggac	tgccacacatt	ttgcctagat	aaagatgcac	ttagagatga	atatgatgat	540
ctctcagatt	tgaatgcagt	acaaatggag	agtgttcgag	aatgggaaat	gcagtttaaa	600
gaaaaatatg	attatgtagg	cagactccta	aaaccaggag	aagaaccatc	agaatataca	660
gatgaagaag	ataccaagga	tcacaataaa	caggattgaa	ctttgtaaac	aaccaaagtc	720
aggggccttc	agaactgcaa	ttcttactcc	ctttcacaga	ctgtccggag	tctttgggtt	780
tgattcacct	gctgcgaaaa	acattcaaca	aattgtgtac	aagataaatt	aatctcacta	840
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taatgtctag	tggggcttca	tcaccttgaa	aagaaggaga	cagggatttt	tttaaagagc	960
aagaaagtca	caatattact	tctttccttc	cttttttctt	tctttccttt	cttctttctc	1020
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ccttgggaagg	gactctttct	gcagatactg	taaatacaag	taccatttta	ataaagcatg	1860
tacaataaac	caaaataagc	ttgagttgga	ctttatatac	agaactgtaa	gccagtgcac	1920
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aagcaggcac	kggttaacca	agttgtacac	attgtaccac	attcagcata	actttaggaa	2040
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attaaatgta	catcttttta	ctttctatatt	tgatgccaac	tgattatact	agacaattag	2160
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atttcattat	gactacttag	gttccgggct	ggggacaagt	tcacttaaaa	aggcaatggt	2340
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<210> 79
 <211> 1487
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (78)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (948)
 <223> n equals a,t,g, or c

<400> 79						
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gcatcagcga	ccagctgggg	ggccaggacg	tgcccgtgtt	ccggaacctg	tccctgctgg	180
tggtgggtgt	cggcgccgtg	ttctcactgc	tattccacct	gggcacccgg	gagaggcgcc	240
ggccgcatgc	ggasgagcca	ggcgagcaca	ccccctgtt	ggcccctgcc	acggcccagc	300
ccctgctgct	ctggaagcac	tggctccggg	agcsggcttt	ctaccagggtg	ggcatactgt	360
acatgaccac	caggctcatc	gtgaacctgt	cccagacctt	catggccatg	tacctcacct	420
actcgctcca	cctgcccagg	aagttcatcg	cgaccattcc	cctgggtgatg	tacctcagcg	480
gcttcttgtc	ctccttcctc	atgaagccca	tcaacaagtg	cattggggagg	aacatgacct	540
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tgggtgtggc	cgtgtacgca	gcggctgtgc	tgctgggtgc	tggctgtgcc	accatcctcg	660
tcacctcgct	ggccatgacg	gccgacctca	tcgggtccca	cacgaacagc	ggagckttcg	720
tgtacggctc	catgagcttc	ttggataagg	tggccaatgg	gctggcagtc	atggccatcc	780
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acaccagaca	cagaagggtg	cgctgtgatc	ccacttctat	gaaatgtcca	ggacagacca	1200
atccacagaa	tcaggagag	gattcgtggg	tgccgggact	ggggaggggg	acctgggggt	1260
gactaggtga	cataatgggg	acagggctgc	cttctgggtg	atgagaatgt	tctggaatca	1320
gatgggatgg	ctgcacggcg	tggatgaagg	actgaacgcc	acctcactgt	aagacggtag	1380
attttgtatt	ttaccacaat	aaacaaaaca	aaacaaaacc	aaaaaaaaaa	aaaaaaaaaa	1440
aaaaaaaaagg	aattcgatat	caagcttatc	gataccgctg	acctcga		1487

<210> 80
 <211> 1563
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (14)
 <223> n equals a,t,g, or c

<400> 80						
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gcttttgggg	cagagttttc	atcggaggca	tgcagagagt	taggcctttc	tagcaacttg	180
ctttgcagct	cttgtgatct	tctcggacag	ttcaacctgc	ttcagctgga	tcctgattgc	240
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gataaaccca	aactgttcag	aggactgcaa	atcaagtatg	tccgtgggtc	agaccctgta	420
ttaaagcttt	tggacgacaa	tgggaacatt	gctgaagaac	tgagcattct	caaatgggaa	480
acagacagtg	tagaagaatt	cctgagtga	aagttggaac	gcatataaat	cttgcttaaa	540
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acttgcggtt	aattatgcaa	atgatagtgt	gtgataattg	gtccagtttt	acgaacaaca	840
gatttctaaa	ttagagaggt	taacaagaca	gatgattact	atgcctcatg	tgctgtgtgc	900
tcctttgaaag	gaatgacagc	agactacaaa	gcaaataaga	tatactgagc	ctcaacagat	960
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ataaaaagtt	tcaaaaatct	atctgaattt	ggaattcttc	tgggttgttc	tttcatgttt	1320
aaaaatgatg	tttttcaatg	catttttttc	atgtaagccc	tttttttagc	caaaatgtaa	1380
aaatggctgt	aatattttaa	acttataaca	tcttattgtt	ggtaatagtg	ctttatatatt	1440
gtctgatttt	attttttcaa	gttttttcat	ttatgaacac	attttcattg	gtatatattt	1500
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aaa						1563

<210> 81
 <211> 1020
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (20)
 <223> n equals a,t,g, or c

<400> 81
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 ctgagcccccg tgggcaagca gtacgcgtcc cccgcagaca gacagctggt ggcgcagtct 180
 ggggtcgccg tcatcgactg ctcttggggc aggctggacg agacaccgtt tgggaagatg 240
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 aaccgccagc tcctggacaa gtacgcggcc tgcggcagcc cggaggaggt gctgcaggcg 480
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 ttccagcaca gctgtgctct gtgtcctgcc tcggcgctct cgcaaatgaa gctgcaggcc 960
 aagaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaag gggggggggc 1020

<210> 82
 <211> 770
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (757)
 <223> n equals a,t,g, or c

<400> 82
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 gccgcccgcct cgggtcgtgg agccaggagc gacgtcaccg ccatggcagg catcaaagct 120
 ttgattagtt tgtccttttg aggagcaatc ggactgatgt tttttratgt tggatgtgcc 180
 cttccaatat acaacaaata ctggcccctc tttgttctat ttttttacat cttttcacct 240
 attccatact gcatagcaag aagattagtg gatgatacag atgctatgag taacgcttgt 300
 aaggaacttg ccatctttct tacaacgggc attgtcgtgt cagcttttgg actccctatt 360
 gtatttgcca gagcacatct gattgagtgg ggagcttggt cacttgttct cacaggaaac 420
 acagtcactt ttgcaactat actaggcttt ttcttgggtc ttggaagcaa tgacgacttc 480
 agctggcagc agtgggtgaaa agaaattact gaactattgt caaatggact tcctgtcatt 540
 tgttggccat tcacgcacac aggagatggg gcagttaatg ctgaatggta tagcaagcct 600
 cttgggggta ttttaggtgc tcccttctca cttttattgt aagcatacta ttttcacaga 660
 gacttgctga aggattaaaa ggattttctc ttttggaaaa aaaaaaaaaa aaaaacycga 720
 gggggggccc gtwcccatc scccyatatg aattccnttt ttacaatccc 770

<210> 83
 <211> 481
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (322)

<223> n equals a,t,g, or c

<220>

<221> misc_feature

<222> (365)

<223> n equals a,t,g, or c

<220>

<221> misc_feature

<222> (379)

<223> n equals a,t,g, or c

<220>

<221> misc_feature

<222> (390)

<223> n equals a,t,g, or c

<400> 83

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acactactga	tcatttttct	tccttttsct	tttacaacat	tmacaaattc	aggtggctct	120
ttcccagtac	ggtaggctga	ttcgtatgga	tgccaccacg	ttggtgactc	ccccacccc	180
acagagtttc	tggcgttcat	tcggttgaac	ccaaggccag	caagggctga	ctgggaacaa	240
accgaacact	aggccgtgaa	ccaatcgtct	ctccgtgccc	gggagcgamc	ccgggggcct	300
ttcactctcc	caaggactcc	angggggggc	cgggtaccca	attccgcccc	tatagtgaat	360
ccgtnattac	aattccacnt	gggccgtccn	tttttacaaa	cgttccgttg	aactgggaaa	420
aacccttgg	cggtttacc	caactttaat	ccgcctttgc	aagcacatcc	ccccctttt	480
c						481

<210> 84

<211> 644

<212> DNA

<213> Homo sapiens

<400> 84

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tttttttttc	tggacagatc	agattttctag	agagagcaga	tttctagaga	gattagcatt	180
catagtaagt	gaaaattgtc	taattttttt	aatccatgct	attactgggc	agtaggtcta	240
attttttttg	acaaaaaata	gatctatttt	ccttatatat	tgatttagaa	tcttaagtta	300
gaattttata	gaagaaatgt	ctgagcagtt	ctatgtatgg	aggagcaatt	cagcttttca	360
gcagcaactt	tatcttttgc	cactagaggg	agatctgtgg	ttgctttctc	ctttggagaa	420
tagctgcttt	gcttttattt	ttaatttcta	aggttggaat	agaacttatt	ctcaaaattc	480
cttttagtgtt	attaaatatt	ttcatttatt	agtcaaagg	aagttaatta	agcttggtta	540
atgatgccaa	tcttatgctt	ttctgtaatc	ttcaattttt	aataaatgtg	agttagatac	600
taagtgaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaa		644

<210> 85

<211> 1351

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (133)

<223> n equals a,t,g, or c

<220>

<221> misc_feature

<222> (1305)

<223> n equals a,t,g, or c

<220>

<221> misc_feature
 <222> (1344)
 <223> n equals a,t,g, or c

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 tatacttcca tttcatgata ttccaattta tgcagataag gatgtgtttc acatggtagt 240
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 ctgggtttaga aggtataagg ttcctgatgg aaaaccagaa aatgagtttg cgtttaatgc 720
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<210> 86
 <211> 2527
 <212> DNA
 <213> Homo sapiens

<400> 86
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aaaaaaa						2527

<210> 87
 <211> 2566
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (22)
 <223> n equals a,t,g, or c

<400> 87						
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catctcttca	cagtgtaaac	caagaccatg	acttaaagcc	actaggccga	aatctgggcc	180
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ctttggccag	aagccgcccc	taagtaccga	gaactcccat	gaagacgaaa	gccccatgaa	360
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tttaaaacca	gcaagggaag	actcagaaaa	taaagaccat	gcaggggaga	tttcaagttt	480
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<210> 88
 <211> 540
 <212> DNA
 <213> Homo sapiens

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<210> 89
 <211> 1863
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1836)
 <223> n equals a,t,g, or c

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ttttgcactt	caaccagatg	acgtgtacta	ctgtggaata	aagtacatca	aagatgatgt	480
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aaa						1863

<210> 90
 <211> 2478
 <212> DNA
 <213> Homo sapiens

<400> 90						
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<210> 91
 <211> 2058
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (69)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (161)
 <223> n equals a,t,g, or c

<400> 91
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 aaagtctgtt tgattcatgt aagatgtctc atgggtgggc atttacagaa gagaaagtgg 240
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 cagtgtatth ccaaatgcag acaacatatg ttttacagag tcttcatttg aggattccag 360
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<210> 92
 <211> 1411
 <212> DNA
 <213> Homo sapiens

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 <222> (1391)
 <223> n equals a,t,g, or c

<220>
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 <222> (1403)
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<400> 92
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<210> 93
 <211> 2187
 <212> DNA
 <213> Homo sapiens

<400> 93						
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<210> 94
 <211> 757
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (756)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (757)
 <223> n equals a,t,g, or c

<400> 94

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<210> 95
 <211> 2394
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1783)
 <223> n equals a,t,g, or c

<400> 95

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<210> 96
 <211> 672
 <212> DNA
 <213> Homo sapiens

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cctcccaagt	agctgaaatt
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tctgttgccc	tgggtgtggt
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aacggcattt	ctttttccta
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<210> 97
 <211> 1419
 <212> DNA
 <213> Homo sapiens

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 <222> (517)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (539)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (604)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (676)

<223> n equals a,t,g, or c

<220>

<221> misc_feature

<222> (912)

<223> n equals a,t,g, or c

<400> 97

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gtacagaaaa	tagcttttat	tgagtaatat	tacatttcat	ttatactgta	gcaatatatt	360
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<210> 98

<211> 1830

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (67)

<223> n equals a,t,g, or c

<220>

<221> misc_feature

<222> (97)

<223> n equals a,t,g, or c

<220>

<221> misc_feature

<222> (211)

<223> n equals a,t,g, or c

<220>

<221> misc_feature

<222> (1813)

<223> n equals a,t,g, or c

<220>

<221> misc_feature

<222> (1830)

<223> n equals a,t,g, or c

<400> 98

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aaaaaaaaaa	aanccccggg	gggggccccn				1830

<210> 99

<211> 1145

<212> DNA

<213> Homo sapiens

<400> 99

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tgcagaactg	atgtggctca	ggcaccctgg	ttttaattcc	ttgaggatct	ggcaattggc	180
ttacgcaaaa	ggtcaccatt	tgaggctcctg	ccttactaat	tatgtgctgc	ccaacaacta	240
aatttgtaat	ttgtttttct	ctagtgtgag	cagggtctga	attttttcat	ttatttcctt	300
ttttgccagc	agacagactt	gagtctgtaa	agacaagcaa	atacactgac	agaagtttac	360
catagtttct	aaaatgtaaa	aaagaaaacc	cccaaaagac	tcaagaaaat	tagaccacaa	420
attttgcatt	gttcattgta	gcactattgg	taataaaaata	acaaatgttt	gtgcattttt	480
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aggggacttt	gtcgccctgt	gcactaaaag	ggccagattt	tcagcagcca	aggacatcca	960
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<210> 100

<211> 734

<212> DNA

<213> Homo sapiens

<400> 100

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tgccctttta	tacactccta	tcatcagcac	ttccaccatg	tattacaagt	cttgacccat	180
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aatagtttct	ttttaaagta	gtttcttcca	tctttattct	gactagcttc	caaaatgtgt	300
tccctttttg	aatcgagggt	tttttggttt	gttttggttt	ctgaaaaaat	catacaactt	360
tgtgcttcta	ttgctttttt	gtgttttggt	aagcatgtcc	cttggcccaa	atggaagagg	420
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aacaatttag	tgacccttgg	taggttaaag	gttgcatat	ttatacttga	gatttttttc	540
ccctaactat	tctgtttttt	gtacttttaa	actatggggg	aaatatcact	ggctctgtcaa	600
gaaacagcag	taattattac	tgagttaaat	tgaaaagtcc	agtggaccag	gcatttctta	660
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<210> 101

<211> 713

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (27)

<223> n equals a,t,g, or c

<400> 101

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tccggaccct	ccaagtggag	accctgggtg	agccccaga	accatgtgcc	gagcccgtg	240
cttttgga	cacgcttcac	atacactaca	cggaagctt	ggtagatgga	cgtattattg	300
acacctccct	gaccagagac	cctctgggta	tagaacttgg	ccaaaagcag	gtgattccag	360
gtctggagca	gagtcttctc	gacatgtgtg	tgggagagaa	gcgaagggca	atcattcctt	420
ctcacttggc	ctatggaaaa	cggggatttc	caccatctgt	cccagcggat	gcagtgggtg	480
agtatgacgt	ggagctgatt	gcactaatcc	gagccaacta	ctgggctaaag	ctgggtgaagg	540
gcatttttgc	tctggtaggg	atggccatgg	tgccaccctc	ctgggcctca	ttgggtatca	600
cctatacaga	aaggccaata	gacccaaagt	ctccaaaaag	aagctcaagg	aagagaaacg	660
aaacaagagc	aaaaagaaat	aataaataat	aaatttttaa	aaacttaaaa	aaa	713

<210> 102

<211> 1080

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (514)

<223> n equals a,t,g, or c

<220>

<221> misc_feature

<222> (721)

<223> n equals a,t,g, or c

<400> 102

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caagatcaac	ttcaacaccc	gctttgtcat	gaagacgctc	atgaccatct	gccctggcac	180
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tgaaagtcct	gaatcaccag	cccagccttc	tggtcatca	cttcctgctt	ggtaccatga	300
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ttccattggg	tatggggaca	tggtgcccc	cacatactgt	gggaaagggtg	tctgtctcct	420
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gcggtatcaag	aatgytgcag	ccaatgtcct	tsgggaaaca	tggttaattct	ataaacacac	600
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<210> 103
 <211> 489
 <212> DNA
 <213> Homo sapiens

<400> 103						
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ccgacaacag	ctgctccagc	tgacacgtat	ccagctactg	gtcctgctga	tgatgaagcc	180
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gatctcccga	atggtagagt	gtgtccctga	gatggaatca	gcttgagtct	tctgcaattg	360
gtcacaacta	ttcatgcttc	ctgtgatttc	atccaactac	ttaccttgcc	tacgatattc	420
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aaaaaaaaaa						489

<210> 104
 <211> 1529
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (7)
 <223> n equals a,t,g, or c

<400> 104						
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ttcttaggat	cctcctcccg	tccttctcat	ccttcatgtc	cagggtgctg	cagaaggacg	180
cggacaggag	tcacagatga	gagcggagat	ccaggacatg	aagcaggagc	tctccacagt	240
caacatgatg	gacgagtttg	ccagatatgc	caggctggaa	agaaagatca	acaagatgac	300
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gataagtgtc	gctttctacg	tattgcaggc	tgccctgatg	atctcactca	tttggaagta	420
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gcattgtttt	gtgctcaact	tgtgttttgt	atttaaagca	ttttgaatga	agtgtatttt	1260
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<210> 105
 <211> 2435
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (455)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (2107)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (2435)
 <223> n equals a,t,g, or c

<400> 105						
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aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaan			2435

<210> 106
 <211> 805
 <212> DNA
 <213> Homo sapiens

<400> 106						
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gaatacaggt	aactaattgg	aaggagaggg	gaggtcactc	ttttgatggg	ggccctgaac	180
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gacgtgctcc	gtagctctgc	tgctgatact	gggtctgcga	tgcagcggcg	tgaggcctgg	300
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ctctgacaac	tgtgaagcca	ccctggggcta	cagaaaccac	agtcttccca	gcaattatta	480
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cagagtcattg	ggagagtaca	ccctttccag	gaataatgtt	ttgggaaaca	ctgaaatgaa	660
atcttcccag	tattataaat	tgtgtattta	aaaaaaagaa	acttttctga	atgcctactg	720
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<210> 107
 <211> 1166
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1039)
 <223> n equals a,t,g, or c

<400> 107						
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acgttccgaa	ctcacggatg	attgatatcc	agaccaggat	ggctgggcga	gcattggagc	180
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gccagggcat	cccattcaag	ccaggcacat	ttgatgggtg	catcagcatt	tctgctgtgc	420
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tttagaaaag	ttctaaagtt	ataaaaatgt	tttctgcagt	aaaaaaaag	ttctctgggc	1020
cgggctgtgt	ggctcacanc	tgtaatccca	gcaccttggg	aggctgaggt	gggaggatca	1080
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aaaaaaaaaa	aaaaaaaaaa	actcga				1166

<210> 108
 <211> 586

<212> DNA
<213> Homo sapiens

<400> 108

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ccaggggagg	gtgcaccagg	cggccccctt	gagcgacgct	ccccatgatg	acgcccacgg	180
gaacttccag	tacgaccatg	aggctttcct	gggacgggaa	gtggccaagg	aattcgacca	240
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gggggacggc	gacggctggg	tgtcgctggc	cgagcttcgc	gcgtggatcg	cgcacacgca	360
gcagcggcac	atacgggact	cggtgagcgc	ggcctgggac	acgtacgaca	cggaccgcga	420
cgggcgtgtg	ggttgggagg	agctgcgcaa	cgycacctat	ggccactasg	sgcccgtgta	480
agaatttcat	gacgtggagg	atgcagagac	ytacaaaaag	atgctggytc	gggacgagcg	540
gcgtttccgg	gtggccgacc	aggatgggga	ctcgatggcc	actcga		586

<210> 109
<211> 1134
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (418)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (803)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (816)
<223> n equals a,t,g, or c

<400> 109

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atcattccag	ttgaaagttt	gcttccttcc	agtcattgtg	ctcttcattc	tactctcctt	180
ggctctcatt	tcagatgcca	tggatcatga	tgaagagggtc	aagagaagtt	tgtgctggac	240
acggcttctg	ccatctgcaa	ctacaatgcc	caytacaaga	atcaccccaa	atactggtgc	300
cgaggytatt	tccgtgayta	ctgcaacatc	atcgcttctt	cccctaacag	caccaatcat	360
gtggccctga	aggacacagg	gaaccagctc	attgtcacta	tgtcctgcct	gaacaaanaa	420
gacacgggct	ggtactgggtg	tggcatccar	cgggactttg	cmagggatga	catggatttt	480
acagagctga	ttgtaactga	cgacaaagga	accctggcca	atgacttttg	gtctgggaaa	540
gacctatcag	gcaacaaaac	cagaagctgc	aaggctccca	aagttgtccg	caagctgacc	600
gctccaggac	gtccattctc	atcatttgca	tactgatcac	gggtttggga	atcatctctg	660
taatcagtca	tttgaccaa	aggaggagaa	gtcaaaggaa	tagaagggtg	ggcaacactt	720
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tccatcagtc	agaagtgaag	aagaggtgga	gaatctkgat	tggggaccag	gaaatcactt	1080
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<210> 110
<211> 1333
<212> DNA
<213> Homo sapiens

<400> 110

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gggagccatg	tgaagagggg	cacgcctggg	ctgtcccaca	gtttagatcc	agttggaggt	180
tctccctggc	tcctgcaggc	ctgcggggat	ctctcccccac	ttcaggcctc	cggcagctgc	240
ctgccctctt	gtctgtgctt	cagccctgca	caaaagcagc	ttggtgacac	cactcagcca	300
cccagagtac	gtgtttacag	gctttccaga	tcaccttcct	gtgggggtgaa	cgtaatgagg	360
cggggctggg	ccttggaatt	tcccctggaa	aatggtaaca	gactccatcc	ttgacccggg	420
gatgagcatg	aaggcattgt	cccaaaggca	gaggccaccg	tggtagggaat	tccaccaagg	480
ccagaaggga	aaaagggaaga	acccaccgtg	tctggctgtg	cggggcctgg	ggaggggtcgt	540
gagtgcagcc	cctctctact	tcygtgcctt	tgtaaaacgt	gtagataacc	gcagtgggtt	600
gctgagccaa	gaactctcct	aaatcagtgg	ctttctcccc	acccttgct	ggggagtcac	660
ttttaaaaaa	atctgtggga	tataaaattg	gcctcctgct	gcttcagcct	acctctccct	720
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ggtggctcct	gcctgtgatc	ctagcacttt	gggaggctga	agctgaagga	tcacttgagc	1260
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aaaaaaaaact	cga					1333

<210> 111

<211> 1015

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1014)

<223> n equals a,t,g, or c

<400> 111

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caaggaggtg	gaggaacggc	cggcaccac	cccgtgggct	ccaagatgcc	ctttggggaa	120
ctgatgttcg	aatccagcag	tagctgcggc	tgggtacatg	gcgtctgttt	ctcagccagc	180
gggagcccg	tggcctgggt	aagccacgac	agcaccgtct	gcctggctga	tgccgacaag	240
aagatggccg	tcgcgactct	ggcctctgaa	acactaccac	tgctggcgct	gaccttcac	300
acagacaaca	gcctgggtggc	agcggggccac	gactgcttcc	cgggtgctgt	cacctatgac	360
gccgccgcgg	ggatgctgag	cttcggcggg	cggctggacg	ttcctaagca	gagctcgcag	420
cgtggcttga	cggcccgcga	gcgcttccag	aacctggaca	agaaggcgag	ctccgaggg	480
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cctgtgagga	atatgttgcc	ttcatcctag	ctgctgggga	agcggggaga	ggggtcaggg	720
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gctccctcaa	aaaggagggg	gacagatggg	gagcttttct	tacctattca	aggaatacgt	840
gcctttttct	taaatgcttt	catttattga	aaaaaaaaaa	aaatgcccc	aaagcactat	900
gctggtcacg	aactgcttca	aaatgtggag	gtaataaaat	gcaactgtgt	aaaaaaaaaa	960
aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aacnc	1015

<210> 112

<211> 711

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (345)

<223> n equals a,t,g, or c


```

<400> 112
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cataccctct accgtggaca ccaggcagcc ctggggctga tggagagaga tcaggatatcc 120
cccagggagt aggggctacc ttgaggggat gatagacctc cccactccc agtgkkactc 180
tggaaatatg aaggaactag ggagtggag agatttcaga gctggggaga ggagttcctc 240
ccttcaaagc cagcaactgc ctttggggaa tgtcgggggg tctctccttt ctctgcttg 300
tttragggtg tacacagtcc ccccttcamc tggsgggaag ctgtncggga caractcatc 360
tcagctttcc cttggggcag gatcgggggc agcagctcca gcagaaacag caggatctgg 420
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tgggtggtaaa gtggagcaat cccttcacgc tccttgccca tgttctgagc ggccagcttg 660
gcctttgcct taataaatgt gctttatattt caaaaaaaaa aaaaaaaaaa t 711

```

```

<210> 113
<211> 1076
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1029)
<223> n equals a,t,g, or c

```

```

<220>
<221> misc_feature
<222> (1037)
<223> n equals a,t,g, or c

```

```

<220>
<221> misc_feature
<222> (1040)
<223> n equals a,t,g, or c

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<400> 113
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cctacttcct gtttatcact tccgggttca tcattttggc atttcgggtga tcgggttgga 180
actattgaag cccgcttttca ggttcttttc cccattttcc ctttgaaagg aagacttctg 240
gcttctccta aatctccggt ctctgggtaa ggggagtcga agcctctgtc atgaggaacg 300
gaaatgagag ggcctcgggt gttactctaa aatccgccct cagcttgacg gccggaagct 360
gcgattcctg cagcggaaga ggcgtgatct ggccttcgac tcgctatgtc cactaacaat 420
atgtcggacc cagcgaggcc gaacaaagtg ctgaggtaca agcccccgcc gagcgaatgt 480
aaccggcct tggacgaccc gacgccggac tacatgaacc tgctgggcat gatcttcagc 540
atgtgcggcc tcatgcttaa gctgaagtgg tgtgcttggg tcgctgtcta ctgctcctc 600
atcagctttg ccaactctcg gagctcggag gacacgaagc aaatgatgag tagcttcatg 660
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cggtgcccc agctggatag agggaacctg gccctttcct agggaaacacc ctaggcttac 900
ccctcctgcc tcccttcccc tgcttgcctg tgggggagat gctgtccatg tttctagggg 960
tattcatttg ctttctcgtt gaaacctgtt gttaataaag tttttcactc tgaaaaaaa 1020
aaaaaaaaa raaaacnagn gggggggccc ggaacccaat tcscgggata gtgagt 1076

```

```

<210> 114
<211> 1525
<212> DNA
<213> Homo sapiens

```

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<220>
<221> misc_feature

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<222> (78)
 <223> n equals a,t,g, or c

<400> 114

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gcatcagega	ccagctgggg	ggccaggacg	tgcccgtgtt	ccggaacctg	tccctgctgg	180
tggtgggtgt	cggcgcccgtg	ttctcactgc	tattccacct	gggcacccgg	gagaggcgcc	240
ggccgcatgc	ggasgagcca	ggcgagcaca	ccccctgtt	ggcccctgcc	acggcccagc	300
ccctgctgct	ctggaagcac	tggctccggg	agcsggcttt	ctaccagggtg	ggcatactgt	360
acatgaccac	caggctcatc	gtgaacctgt	cccagacctt	catggccatg	tacctcacct	420
actcgctcca	cctgcccagg	aagttcatcg	cgaccattcc	cctgggtgatg	tacctcagcg	480
gcttcttgtc	ctccttcctc	atgaagccca	tcaacaagtg	cattggggagg	aacatgacct	540
acttctcagg	cctcctgggtg	atcctggcct	ttgccgcctg	ggtggcgctg	gcggagggac	600
tgggtgtggc	cgtgtacgca	gcggctgtgc	tgctgggtgc	tggctgtgcc	accatcctcg	660
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gcctggaccc	caccgtgggtg	ggcagcaggg	ctgcccggca	ggcttggtgg	actctgctgg	1440
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aaaaaaaaaa	aaaccaccg	tccgc				1525

<210> 115
 <211> 1350
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (15)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (1343)
 <223> n equals a,t,g, or c

<400> 115

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ggctctgtgg	cagcggcggc	ggcaggactc	cggcactatg	agcggttca	gcaccgagga	120
gcgcgccgcg	ccttctccct	ggagtaccga	gtcttccctca	aaaatgagaa	aggacaatat	180
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ccccatttgg	ccctttgggg	ggnggtttta				1350

<210> 116
 <211> 2527
 <212> DNA
 <213> Homo sapiens

<400> 116						
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agctgttata	ttagttgtaa	ccagtagtat	tcacattaaa	tcttgctttt	tttcccctta	2280
aaaaaagaaa	aaaattacca	aacaataaac	ttggctagac	cttggttttg	ggatttttaca	2340
agacctttgt	agcgattaga	ttttttttct	acattgaaaa	tagaaactgc	ttcctttctt	2400
ctttccagtc	agctattggg	ctttccagct	gttataatct	aaagtattct	tatgatctgt	2460
gtaagctctg	aatgaacttc	tttactcaat	aaaattaatt	ttttggcttc	ttaaaaaaa	2520
aaaaaaa						2527

<210> 117
 <211> 1098
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (88)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (89)
 <223> n equals a,t,g, or c

<400> 117

cgcacacag	acaacccaga	aggaaaatgg	ttgggcagaa	cagcaagggg	ttcatatggc	60
tatatataaa	caactgctgt	agagattnnc	tatgattcct	tgaaactgaa	aaaagactct	120
cttggtgccc	cttcaagacc	tattgaagat	gaccaagaag	tatatgatga	tggtgcagag	180
caggatgata	ttagcagcca	cagtcagagt	ggaagtggag	ggatattccc	tccaccacca	240
gatgatgaca	tttatgatgg	gattgaagag	gaagatgctg	atgatgggtt	ccctgctcct	300
cctaaacaat	tggaacatgg	agatgaagtt	tacgatgatg	tgataacctc	tgatttccct	360
gtttcatcag	cagagatgag	tcaaggaact	aatgttggaa	aagctaagac	agaagaaaag	420
gaccttaaga	agctaaaaaa	gcagraaaaa	gaaraaaaag	acttcaggaa	aaaattttaa	480
tatgatgggtg	aaattagagt	cctatatatt	actaaagtta	caacttccat	aacttctaaa	540
aagtggggaa	ccagagatct	acaggtaaaa	cctgggtgaat	ctctagaagt	tatacaaacc	600
acagatgaca	caaaagtctt	ctgcagaaat	gaagaaggga	aatatgggtt	tgctcttcgg	660
agttacctag	cggacaatga	tggaagagac	tatgatgata	ttgctgatgg	ctgcatctat	720
gacaatgact	agcactcaac	tttgggtcatt	ctgctgtgtt	cattaggtgc	caatgtgaag	780
tctggatttt	aattggcatg	ttattgggta	tcmagaaaat	taatgcacar	aaccacttat	840
tatcatttgt	tatgaaatcc	caattatctt	tacaaagtgt	ttaaagtttg	aacatagaaa	900
ataatctctc	tgcttaattg	ttatctcaga	agactacatt	agtgagatgt	aagaattatt	960
aaatattcca	tttccgcttt	ggctacaatt	atgaagaagt	tgaagggtact	tcttttagac	1020
caccagtaaa	taatcctcct	tcaaaaaata	aaaataaaaa	aaaaaaaaaa	aaactcgagg	1080
gggggcccgg	tacccaat					1098

<210> 118
 <211> 1679
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1679)
 <223> n equals a,t,g, or c

<400> 118

tgcacccacg	cgctccggcg	gatccctacc	gcagtagccg	cctctgccgc	cgccggagctt	60
cccgaacctc	ttcagccgcc	cggagccgct	cccggagccc	ggccgtagag	gctgcaatcg	120
cagccgggag	cccgcagccc	gcgccccgag	cccgcgcgcc	cccttcgagg	gcgccccagg	180
ccgcgccatg	gtgaaggtga	cgttcaactc	cgctctggcc	cagaaggagg	ccaagaagga	240
cgagcccaag	agcggcgagg	aggcgctcat	catccccccc	gacgcgcgtc	cgggtggactg	300
caaggaccca	gatgatgtgg	taccagttgg	ccaaagaaga	gcctgggtgt	ggtgcatgtg	360
ctttggacta	gcatttatgc	ttgcaggtgt	tattctagga	ggagcatact	tgtacaaata	420
ttttgcactt	caaccagatg	acgtgtacta	ctgtggaata	aagtacatca	aagatgatgt	480
catcttaaat	gagccctctg	cagatgcccc	agctgctctc	taccagacaa	ttgaagaaaa	540
tattaaaatc	tttgaagaag	aagaagttga	atztatcagt	gtgcctgtcc	cagagtttgc	600
agatagtgat	cctgccaaca	ttgttcatga	ctttaacaag	aaacttacag	cctattttaga	660
tcttaacctg	gataagtgtc	atgtgatccc	tctgaacact	tccattgtta	tgccacccag	720
aaacctactg	gagttactta	ttaacatcaa	ggctggaacc	tatttgcctc	agtcctatct	780
gattcatgag	cacatgggtt	ttactgatcg	cattgaaaac	attgatcacc	tggtgttctt	840
tatttatcga	ctgtgtcatg	acaaggaaac	ttacaaactg	caacgcagag	aaactattaa	900
aggtattcag	aaacgtgaag	ccagcaattg	tttcgcaatt	cggcattttg	aaaacaaatt	960
tgccgtggaa	actttaattt	gttcttgaac	agtcaagaaa	aacattattg	aggaaaatta	1020
atatcacagc	ataaccccac	cctttacatt	ttgtgcagtg	attatttttt	aaagtcttct	1080
ttcatgtaag	tagcaaacag	ggctttacta	tcttttcatc	tattaatttc	aattaaaacc	1140
attaccttaa	aatttttttc	tttcgaagtg	tggtgtcttt	tatatattga	ttagtaactg	1200
tatgaagtca	tagataatag	tacatgtcac	cttaggtagt	aggaagaatt	acaatttctt	1260

taaatcattt	atctggattt	ttatgtttta	ttagcatttt	caagaagacg	gattatctag	1320
agaataatca	tatatatgca	tacgtaaaaa	tggaccacag	tgacttattt	gtagttgtta	1380
gttgccctgc	tacctagttt	gttagtgcat	ttgagcacac	attttaattt	tcctctaatt	1440
aaaatgtgca	gtatttttcag	tgtcaaatat	atttaactat	ttagagaatg	atttccacct	1500
ttatgtttta	atatacctagg	catctgctgt	aataatattt	tagaaaatgt	ttggaattta	1560
agaaataact	tgtgttacta	atttgtataa	cccatactctg	tgcaatggaa	tataaatatc	1620
acaaagtgtg	ttaamwaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaan	1679

<210> 119
 <211> 1411
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1391)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (1403)
 <223> n equals a,t,g, or c

<400> 119	
ggcacaggag	cgacccggga
gacccgggga	cagcatcgcc
caagacatcc	ccgtagaagg
gacagctcca	cattaaatga
gggaaaaaat	tcatgcatgt
gatttgtggg	gccctttgat
gcagatagtg	aaaaagatgg
ggtgcagtta	ccatcaccct
agcctctgtg	tgctgggtta
ctggtacttt	tggtgatcc
gtgatgtttg	cctggtctat
aaccgcagag	ccctagctgt
attctcacct	ttactcctca
gcacatctga	aagatgcaat
ttggagggtat	ttgataactg
accctttatt	tgaggaactg
tttaaaaaata	catgtgcata
tcaccgtggg	ccatttgggt
agttgaatag	agttgataac
aaacacattg	ccttatgact
tctatatcca	ttttctttta
ggagtgggtt	catacacgga
caggggaaat	tctayacttg
acccaatcgc	ngtatatgat
gaaggagggc	camgakgcgg
caggccccctg	tttgcaggcc
agaaatcacc	attcctatga
aataccatca	tgctgcgat
aggaaaagta	atactctttt
acactcgcgt	taatgctgca
tttgcagagg	tgtttgtcat
cttcttgagg	ggaacatatc
cccttgacag	tagcaatgct
aacttcatgg	ttcggtcttt
acagctttcc	ttgctgatag
ttcctgtttt	actttgtcat
taaaaaccag	tgaattgaaa
tggcccttat	ttgtctaatt
gggagccata	tagcactgtc
ttctctctta	atgtcatttc
gcacatagat	acatcttaca
ccagttcagg	tgcagctctt
tcataaataa	aaatacatgg
aaaggcaatg	agagagggtta
accaatattc	agattttgat
aaactcgagg	ggggccccggt
c	

<210> 120
 <211> 2223
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (338)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (2206)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (2209)
 <223> n equals a,t,g, or c

<400> 120
 cctccggaag cgtttccaac tttccagaag tttctcggga cgggcaggag ggggtgggga 60
 ctgccatata tagatcccgg gagcagggga gcgggctaag agtagaatcg tgtcgcggct 120
 cgagagcgag agtcacgtcc cggcgctagc cagcccagacc caggcccacc gtggtgcacg 180
 caaaccactt cctggccatg cgctccctcc tgctttctcag cgctttctgc ctcttgagg 240
 cggccctggc cgccgaggtg aagaaacctg cagccgcagc agctcctggc actgcggaga 300
 agttgagccc caaggcgggc acgcttgccg agcgcagncg gcctggcctt cagcttgtag 360
 caggccatgg ccaaggacca ggcagtggag aacatcctgg tgtcaccctg ggtggtggcc 420
 tcgtcgctgg ggctcggtgc gctgggcggc aaggcgacca cggcgctcga ggccaaggca 480
 gtgctgagcg ccgagcagct gcgcgacgag gaggtgcacg ccggcctggg cgagctgctg 540
 cgctcactca gcaactcsac ggcgcgcaac gtgacctgga agctgggcag ccgactgtac 600
 ggaccagct cagttagctt cgctgatgac ttcgtgcgca cagcaagcag cactacaact 660
 gcgagcactc caagatcaac ttccgcgaca agcgcacgcg ctgcagtcca tcaacgagtg 720
 ggccgcgcag accaccgacg gcaagctgcc cgaggtcacc aaggacgtgg agcgcacgga 780
 cggcgccctg ytagtcaacg ccatgtttctt caagccacac tgggatgaga aattccacca 840
 caagatggtg gacaaccgtg gcttcatggt gactcgggtcc tatacygtgg gtgtcatgat 900
 gatgcaccgg acaggcctct acaactacta cgacgacgag aaggaaaagc tgcaaatcgt 960
 ggagatgccc ctggcccaca agctctccag cctcatcatc ctcatgcccc atcacgtgga 1020
 gcctctcgag cgcttgaaa agctgctaac caaagagcag ctgaagatct ggatggggaa 1080
 gatgcagaag aaggctgttg ccatctcctt gcccaagggt gtggtggagg tgacctatga 1140
 cctgcagaaa cacctggctg ggctgggcct gactgaggcc attgacaaga acaaggccga 1200
 cttrtcacgc atgtcaggca agaaggacct gtacctggcc agcgtgttcc acgccaccgc 1260
 ctttgagttg gacacagatg gcaaccctt tgaccaggac atctacgggc gcgaggagct 1320
 ggcgasccea agctgttcta cgccgaccac cccttcatct tcctagtgcg ggacacccaa 1380
 agcggctccc tgctattcat tgggcgcctg gtccggccta agggtgacaa gatgcgagac 1440
 gagttatagg gcctcagggt gcacacagga tggcaggagg catccaaagg ctcttgagac 1500
 acatgggtgc tattggggtt gggggggagg tgaggtagca gccttgata ctccatgggg 1560
 tgggggtgga aaarcagacc ggggttcccg tgtgcctgag cggaccttcc cagctagaat 1620
 tcactccact tggacatggg cccagatac catgatgctg agcccggaaa ctccacatcc 1680
 tgtgggacct gggccatagt cattctgcct gccctgaaag tcccagatca agcctgcctc 1740
 aatcagatt catatttata gccaggtacc ttctcacctg tgagaccaa ttgagctagg 1800
 ggggtcagcc agccctcttc tgacactaaa acacctcagc tgccctccca gctctatccc 1860
 aacctctccc aactataaaa ctaggtgctg cagcccctgg gaccaggcac cccagaaatg 1920
 acctggccgc agtgaggcgg attgagaagg agctcccagg aggggcttct gggcagactc 1980
 tgggtcaagaa gcatcgtgtc tggcgttgtg gggatgaact ttttgttttg tttcttcctt 2040
 ttttagttct tcaaagatag ggaggggaagg ggaacatga gcctttgttg ctatcaatcc 2100
 aagaacttat ttgtacattt tttttttcaa taaaactttt ccaatgacaa aaaaaaaaaa 2160
 aaaaaaaaaa mwmggggsgg gccgctccta gagggatccc tccgangng cccaatcgaa 2220
 aat 2223

<210> 121
 <211> 31
 <212> PRT
 <213> Homo sapiens

<400> 121
 Met Lys Lys Gln Ser Lys Arg Cys Leu Trp Lys Pro Pro Gly Ser Leu
 1 5 10 15
 Arg Arg Leu Trp Trp Met Arg Ala Leu Leu Ile Leu Lys Tyr Ile
 20 25 30

<210> 122
 <211> 198
 <212> PRT
 <213> Homo sapiens

<220>

<221> MISC_FEATURE

<222> (29)

<223> Xaa equals any of the L-amino acids commonly found in naturally occurring proteins

<400> 122

Met Lys Lys Ser Leu Glu Asn Leu Asn Arg Leu Gln Val Met Leu Leu
 1 5 10 15

His Leu Thr Ala Ala Phe Leu Gln Arg Ala Gln His Xaa Phe Asp Tyr
 20 25 30

Lys Asp Glu Ser Gly Phe Pro Lys Pro Pro Ser Tyr Asn Val Ala Thr
 35 40 45

Thr Leu Pro Ser Tyr Asp Glu Ala Glu Arg Thr Lys Ala Glu Ala Thr
 50 55 60

Ile Pro Leu Val Pro Gly Arg Asp Glu Asp Phe Val Gly Arg Asp Asp
 65 70 75 80

Phe Asp Asp Ala Asp Gln Leu Arg Ile Gly Asn Asp Gly Ile Phe Met
 85 90 95

Leu Thr Phe Phe Met Ala Phe Leu Phe Asn Trp Ile Gly Phe Phe Leu
 100 105 110

Ser Phe Cys Leu Thr Thr Ser Ala Ala Gly Arg Tyr Gly Ala Ile Ser
 115 120 125

Gly Phe Gly Leu Ser Leu Ile Lys Trp Ile Leu Ile Val Arg Phe Ser
 130 135 140

Thr Tyr Phe Pro Gly Tyr Phe Asp Gly Gln Tyr Trp Leu Trp Trp Val
 145 150 155 160

Phe Leu Val Leu Gly Phe Leu Leu Phe Leu Arg Gly Phe Ile Asn Tyr
 165 170 175

Ala Lys Val Arg Lys Met Pro Glu Thr Phe Ser Asn Leu Pro Arg Thr
 180 185 190

Arg Val Leu Phe Ile Tyr
 195

<210> 123

<211> 39

<212> PRT

<213> Homo sapiens

<400> 123

Met His Asn Gln Arg Gln Val Phe Leu Phe His Leu Phe Ser Asn Tyr
 1 5 10 15

Leu Leu Ser Ile Asn Ser Val Pro Gly Thr Leu Leu Ala Ala Thr Tyr
 20 25 30

Cys Leu Asn Met Thr Tyr Gly
 35

<210> 124
 <211> 23
 <212> PRT
 <213> Homo sapiens

<400> 124
 Met Arg Lys Lys Phe Leu Leu Ala Gln Val Phe Leu Ser Leu Ser Val
 1 5 10 15
 Met Pro Ser Met Pro Val Thr
 20

<210> 125
 <211> 110
 <212> PRT
 <213> Homo sapiens

<400> 125
 Met Val Leu Leu Cys Leu Leu Leu Val Pro Leu Leu Leu Ser Leu Phe
 1 5 10 15
 Val Leu Gly Leu Phe Leu Trp Phe Leu Lys Arg Glu Arg Gln Glu Glu
 20 25 30
 Tyr Ile Glu Glu Lys Lys Arg Val Asp Ile Cys Arg Glu Thr Pro Asn
 35 40 45
 Ile Cys Pro His Ser Gly Glu Asn Thr Glu Tyr Asp Thr Ile Pro His
 50 55 60
 Thr Asn Arg Thr Ile Leu Lys Glu Asp Pro Ala Asn Thr Val Tyr Ser
 65 70 75 80
 Thr Val Glu Ile Pro Lys Lys Met Glu Asn Pro His Ser Leu Leu Thr
 85 90 95
 Met Pro Asp Thr Pro Arg Leu Phe Ala Tyr Glu Asn Val Ile
 100 105 110

<210> 126
 <211> 63
 <212> PRT
 <213> Homo sapiens

<400> 126
 Met Leu Leu Leu Phe Ile Tyr Phe Tyr Ser His Pro Ala Pro Val Pro
 1 5 10 15
 Ala Gly Ala Thr Ser Lys Pro Arg Tyr Arg Val Ile Thr Cys Gly Pro
 20 25 30
 Ala Ser Val Phe Ser Thr Ser Phe Ser His Ser Pro Pro Ala Arg Cys
 35 40 45
 Leu Gly Arg Leu Glu Gln Met Phe His Phe Gly Leu Ala Ser Gly
 50 55 60

<210> 127
 <211> 30
 <212> PRT

<213> Homo sapiens

<400> 127

Met Pro Phe Pro Ile Ser Ile Leu Gln Leu Cys Leu Gln Ile Ser Asn
1 5 10 15

Leu Ser Phe Cys Leu Gln Lys Ile Tyr Lys Ile Pro Phe Val
20 25 30

<210> 128

<211> 53

<212> PRT

<213> Homo sapiens

<400> 128

Met Ala Ala Ala Cys Arg Ser Val Lys Gly Leu Val Ala Val Ile Thr
1 5 10 15

Gly Gly Ala Ser Gly Leu Gly Leu Ala Thr Ala Asp Asp Leu Trp Gly
20 25 30

Arg Glu Pro Leu Leu Cys Phe Trp Thr Cys Pro Thr Arg Val Gly Arg
35 40 45

Pro Lys Pro Arg Ser
50

<210> 129

<211> 57

<212> PRT

<213> Homo sapiens

<220>

<221> MISC_FEATURE

<222> (10)

<223> Xaa equals any of the L-amino acids commonly found in naturally occurring proteins

<220>

<221> MISC_FEATURE

<222> (28)

<223> Xaa equals any of the L-amino acids commonly found in naturally occurring proteins

<400> 129

Met Leu Leu Val Tyr Asp Leu Tyr Leu Xaa Pro Lys Leu Trp Ala Leu
1 5 10 15

Ala Thr Pro Gln Lys Asn Gly Lys Gly Ala Arg Xaa Gly Asp Gly Thr
20 25 30

Pro Ala Gln Ala Phe Trp Asp Phe Trp Ser His Leu Ile Ser Ala Asp
35 40 45

Pro Gln Thr Trp Glu Arg Ala Ala Pro
50 55

<210> 130

<211> 216

<212> PRT

<400> 130

<210> 131

<21.1> 49

<212> PRT

<213> Homo sapiens

<400> 131

[illegible]

<210> 132
 <211> 68
 <212> PRT
 <213> Homo sapiens

<400> 132
 Met Ser Gly Ser Phe Ile Leu Cys Leu Ala Leu Val Thr Arg Trp Ser
 1 5 10 15
 Pro Gln Ala Ser Ser Val Pro Leu Ala Val Tyr Glu Ser Lys Thr Arg
 20 25 30
 Lys Ser Tyr Arg Ser Gln Arg Asp Arg Asp Gly Lys Asp Arg Ser Gln
 35 40 45
 Gly Met Gly Leu Ser Leu Leu Val Glu Thr Arg Lys Leu Leu Leu Ser
 50 55 60
 Ala Asn Gln Gly
 65

<210> 133
 <211> 52
 <212> PRT
 <213> Homo sapiens

<400> 133
 Met Cys Phe Arg Phe Phe Leu Phe Cys Ser Arg Ile Leu Leu Lys Leu
 1 5 10 15
 Phe Phe Leu Leu Phe Pro Ala Ser Ala Phe Pro Leu Ser Thr Arg Ser
 20 25 30
 Ser Leu Ser Val Asn Glu His Val Val Val Ser Pro Arg Ser Thr Val
 35 40 45
 Ser Ile Ser Arg
 50

<210> 134
 <211> 540
 <212> PRT
 <213> Homo sapiens

<220>
 <221> MISC_FEATURE
 <222> (137)
 <223> Xaa equals any of the L-amino acids commonly found in naturally
 occurring proteins

<400> 134
 Met Val Arg Thr Asp Gly His Thr Leu Ser Glu Lys Arg Asn Tyr Gln
 1 5 10 15
 Val Thr Asn Ser Met Phe Gly Ala Ser Arg Lys Lys Phe Val Glu Gly
 20 25 30
 Val Asp Ser Asp Tyr His Asp Glu Asn Met Tyr Tyr Ser Gln Ser Ser
 35 40 45

Met	Phe	Pro	His	Arg	Ser	Glu	Lys	Asp	Met	Leu	Ala	Ser	Pro	Ser	Thr
50						55					60				
Ser	Gly	Gln	Leu	Ser	Gln	Phe	Gly	Ala	Ser	Leu	Tyr	Gly	Gln	Gln	Ser
65					70					75					80
Ala	Leu	Gly	Leu	Pro	Met	Arg	Gly	Met	Ser	Asn	Asn	Thr	Pro	Gln	Leu
				85					90					95	
Asn	Arg	Ser	Leu	Ser	Gln	Gly	Thr	Gln	Leu	Pro	Ser	His	Val	Thr	Pro
			100					105					110		
Thr	Thr	Gly	Val	Pro	Thr	Met	Ser	Leu	His	Thr	Pro	Pro	Ser	Pro	Ser
		115					120					125			
Arg	Gly	Ile	Leu	Pro	Met	Asn	Pro	Xaa	Asn	Met	Met	Asn	His	Ser	Gln
	130					135					140				
Val	Gly	Gln	Gly	Ile	Gly	Ile	Pro	Ser	Arg	Thr	Asn	Ser	Met	Ser	Ser
145					150					155					160
Ser	Gly	Leu	Gly	Ser	Pro	Asn	Arg	Ser	Ser	Pro	Ser	Ile	Ile	Cys	Met
				165					170					175	
Pro	Lys	Gln	Gln	Pro	Ser	Arg	Gln	Pro	Phe	Thr	Val	Asn	Ser	Met	Ser
			180					185					190		
Gly	Phe	Gly	Met	Asn	Arg	Asn	Gln	Ala	Phe	Gly	Met	Asn	Asn	Ser	Leu
		195					200					205			
Ser	Ser	Asn	Ile	Phe	Asn	Gly	Thr	Asp	Gly	Ser	Glu	Asn	Val	Thr	Gly
	210					215					220				
Leu	Asp	Leu	Ser	Asp	Phe	Pro	Ala	Leu	Ala	Asp	Arg	Asn	Arg	Arg	Glu
225					230					235					240
Gly	Ser	Gly	Asn	Pro	Thr	Pro	Leu	Ile	Asn	Pro	Leu	Ala	Gly	Arg	Ala
				245					250					255	
Pro	Tyr	Val	Gly	Met	Val	Thr	Lys	Pro	Ala	Asn	Glu	Gln	Ser	Gln	Asp
			260					265					270		
Phe	Ser	Ile	His	Asn	Glu	Asp	Phe	Pro	Ala	Leu	Pro	Gly	Ser	Ser	Tyr
		275					280					285			
Lys	Asp	Pro	Thr	Ser	Ser	Asn	Asp	Asp	Ser	Lys	Ser	Asn	Leu	Asn	Thr
	290					295					300				
Ser	Gly	Lys	Thr	Thr	Ser	Ser	Thr	Asp	Gly	Pro	Lys	Phe	Pro	Gly	Asp
305					310					315					320
Lys	Ser	Ser	Thr	Thr	Gln	Asn	Asn	Asn	Gln	Gln	Lys	Lys	Gly	Ile	Gln
				325					330					335	
Val	Leu	Pro	Asp	Gly	Arg	Val	Thr	Asn	Ile	Pro	Gln	Gly	Met	Val	Thr
			340					345					350		
Asp	Gln	Phe	Gly	Met	Ile	Gly	Leu	Leu	Thr	Phe	Ile	Arg	Ala	Ala	Glu
		355					360					365			
Thr	Asp	Pro	Gly	Met	Val	His	Leu	Ala	Leu	Gly	Ser	Asp	Leu	Thr	Thr
	370					375					380				
Leu	Gly	Leu	Asn	Leu	Asn	Ser	Pro	Glu	Asn	Leu	Tyr	Pro	Lys	Phe	Ala
385					390					395					400

Ser Pro Trp Ala Ser Ser Pro Cys Arg Pro Gln Asp Ile Asp Phe His
 405 410 415

Val Pro Ser Glu Tyr Leu Thr Asn Ile His Ile Arg Asp Lys Leu Ala
 420 425 430

Ala Ile Lys Leu Gly Arg Tyr Gly Glu Asp Leu Leu Phe Tyr Leu Tyr
 435 440 445

Tyr Met Asn Gly Gly Asp Val Leu Gln Leu Leu Ala Ala Val Glu Leu
 450 455 460

Phe Asn Arg Asp Trp Arg Tyr His Lys Glu Glu Arg Val Trp Ile Thr
 465 470 475 480

Arg Ala Pro Gly Met Glu Pro Thr Met Lys Thr Asn Thr Tyr Glu Arg
 485 490 495

Gly Thr Tyr Tyr Phe Phe Asp Cys Leu Asn Trp Arg Lys Val Ala Lys
 500 505 510

Glu Phe His Leu Glu Tyr Asp Lys Leu Glu Glu Arg Pro His Leu Pro
 515 520 525

Ser Thr Phe Asn Tyr Asn Pro Ala Gln Gln Ala Phe
 530 535 540

<210> 135
 <211> 57
 <212> PRT
 <213> Homo sapiens

<400> 135
 Met Ile Cys Pro Gln Cys Pro Leu Ser Leu Leu Cys Leu Ile Ser Ser
 1 5 10 15

Leu Cys Ser Leu Val Ile Gln Ile Ser Leu Lys Thr Ile Arg Asp Ile
 20 25 30

Thr Leu Leu Asn Met Val Gly Ile Lys Phe Ser Ile Ser Leu Ser Asn
 35 40 45

Lys Ile Asn Ile Asn Ser Arg Thr Trp
 50 55

<210> 136
 <211> 201
 <212> PRT
 <213> Homo sapiens

<400> 136
 Met Thr Leu Arg Pro Ser Leu Leu Pro Leu His Leu Leu Leu Leu Leu
 1 5 10 15

Leu Leu Ser Ala Ala Val Cys Arg Ala Glu Ala Gly Leu Glu Thr Glu
 20 25 30

Ser Pro Val Arg Thr Leu Gln Val Glu Thr Leu Val Glu Pro Pro Glu
 35 40 45

Pro Cys Ala Glu Pro Ala Ala Phe Gly Asp Thr Leu His Ile His Tyr
 50 55 60

Thr Gly Ser Leu Val Asp Gly Arg Ile Ile Asp Thr Ser Leu Thr Arg
 65 70 75 80
 Asp Pro Leu Val Ile Glu Leu Gly Gln Lys Gln Val Ile Pro Gly Leu
 85 90 95
 Glu Gln Ser Leu Leu Asp Met Cys Val Gly Glu Lys Arg Arg Ala Ile
 100 105 110
 Ile Pro Ser His Leu Ala Tyr Gly Lys Arg Gly Phe Pro Pro Ser Val
 115 120 125
 Pro Ala Asp Ala Val Val Gln Tyr Asp Val Glu Leu Ile Ala Leu Ile
 130 135 140
 Arg Ala Asn Tyr Trp Leu Lys Leu Val Lys Gly Ile Leu Pro Leu Val
 145 150 155 160
 Gly Met Ala Met Val Pro Ala Leu Leu Gly Leu Ile Gly Tyr His Leu
 165 170 175
 Tyr Arg Lys Ala Asn Arg Pro Lys Val Ser Lys Lys Lys Leu Lys Glu
 180 185 190
 Glu Lys Arg Asn Lys Ser Lys Lys Lys
 195 200

<210> 137
 <211> 216
 <212> PRT
 <213> Homo sapiens

<400> 137

Met Phe Leu Arg Leu Tyr Leu Ile Ala Arg Val Met Leu Leu His Ser
 1 5 10 15
 Lys Leu Phe Thr Asp Ala Ser Ser Arg Ser Ile Gly Ala Leu Asn Lys
 20 25 30
 Ile Asn Phe Asn Thr Arg Phe Val Met Lys Thr Leu Met Thr Ile Cys
 35 40 45
 Pro Gly Thr Val Leu Leu Val Phe Ser Ile Ser Leu Trp Ile Ile Ala
 50 55 60
 Ala Trp Thr Val Arg Val Cys Glu Ser Pro Glu Ser Pro Ala Gln Pro
 65 70 75 80
 Ser Gly Ser Ser Leu Pro Ala Trp Tyr His Asp Gln Gln Asp Val Thr
 85 90 95
 Ser Asn Phe Leu Gly Ala Met Trp Leu Ile Ser Ile Thr Phe Leu Ser
 100 105 110
 Ile Gly Tyr Gly Asp Met Val Pro His Thr Tyr Cys Gly Lys Gly Val
 115 120 125
 Cys Leu Leu Thr Gly Ile Met Gly Ala Gly Cys Thr Ala Leu Val Val
 130 135 140
 Ala Val Val Ala Arg Lys Leu Glu Leu Thr Lys Ala Glu Lys His Val
 145 150 155 160

His	Asn	Phe	Met	Met	Asp	Thr	Gln	Leu	Thr	Lys	Arg	Ile	Lys	Asn	Ala	
				165					170						175	
Ala	Ala	Asn	Val	Leu	Arg	Glu	Thr	Trp	Leu	Ile	Tyr	Lys	His	Thr	Lys	
			180					185					190			
Leu	Leu	Lys	Lys	Ile	Asp	His	Ala	Lys	Val	Arg	Lys	His	Gln	Arg	Lys	
		195					200					205				
Phe	Leu	Pro	Ser	Tyr	Pro	Pro	Val									
	210						215									

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<210> 138
<211> 102
<212> PRT
<213> Homo sapiens
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<400> 138
Met Ser Asn Thr Thr Val Pro Asn Ala Pro Gln Ala Asn Ser Asp Ser
  1              5              10              15
Met Val Gly Tyr Val Leu Gly Pro Phe Phe Leu Ile Thr Leu Val Gly
          20              25              30
Val Val Val Ala Val Val Met Tyr Val Gln Lys Lys Lys Arg Val Asp
      35              40              45
Arg Leu Arg His His Leu Leu Pro Met Tyr Ser Tyr Asp Pro Ala Glu
  50              55              60
Glu Leu His Glu Ala Glu Gln Glu Leu Leu Ser Asp Met Gly Asp Pro
  65              70              75              80
Lys Val Val His Gly Trp Gln Ser Gly Tyr Gln His Lys Arg Met Pro
          85              90              95
Leu Leu Asp Val Lys Thr
          100

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<210> 139
<211> 112
<212> PRT
<213> Homo sapiens
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<400> 139
Met Arg Glu Cys Gln Glu Glu Ser Phe Trp Lys Arg Ala Leu Pro Phe
  1           5           10           15
Ser Leu Val Ser Met Leu Val Thr Gln Gly Leu Val Tyr Gln Gly Tyr
      20           25           30
Leu Ala Ala Asn Ser Arg Phe Gly Ser Leu Pro Lys Val Ala Leu Ala
      35           40           45
Gly Leu Leu Gly Phe Gly Leu Gly Lys Val Ser Tyr Ile Gly Val Cys
      50           55           60
Gln Ser Lys Phe His Phe Phe Glu Asp Gln Leu Arg Gly Ala Gly Phe
      65           70           75           80
Gly Pro Gln His Asn Arg His Cys Leu Leu Thr Cys Glu Glu Cys Lys
      85           90           95

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Ile Lys His Gly Leu Ser Glu Lys Gly Asp Ser Gln Pro Ser Ala Ser
 100 105 110

<210> 140
 <211> 20
 <212> PRT
 <213> Homo sapiens

<400> 140
 Met Lys Asn Asp Arg Asn Gln Gly Phe Ser Leu Leu Gln Leu Ile Asp
 1 5 10 15
 Trp Asn Lys Pro
 20

<210> 141
 <211> 30
 <212> PRT
 <213> Homo sapiens

<400> 141
 Met Gly Thr Gln Pro Pro Val Val Ala Gly Phe Thr Ile Pro Met Leu
 1 5 10 15
 Gly Tyr Thr Val Arg Val Leu Thr Phe His Leu Ser Cys Ser
 20 25 30

<210> 142
 <211> 99
 <212> PRT
 <213> Homo sapiens

<400> 142
 Met Lys Ile Pro Val Leu Pro Ala Val Val Leu Leu Ser Leu Leu Val
 1 5 10 15
 Leu His Ser Ala Gln Gly Ala Thr Leu Gly Gly Pro Glu Glu Glu Ser
 20 25 30
 Thr Ile Glu Asn Tyr Ala Ser Arg Pro Glu Ala Phe Asn Thr Pro Phe
 35 40 45
 Leu Asn Ile Asp Lys Leu Arg Ser Ala Phe Lys Ala Asp Glu Phe Leu
 50 55 60
 Asn Trp His Ala Leu Phe Glu Ser Ile Lys Arg Lys Leu Pro Phe Leu
 65 70 75 80
 Asn Trp Asp Ala Phe Pro Lys Leu Lys Gly Leu Arg Ser Ala Thr Pro
 85 90 95

Asp Ala Gln

<210> 143

<400> 143
Met Val Trp Gly Leu Leu Leu Gly
1 5

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<220>  
<221> MISC_FEATURE  
<222> (30)  
<223> Xaa equals any of the L-amino acids commonly found in naturally  
occurring proteins
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<210> 145
<211> 131
<212> PRT
<213> Homo sapiens
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<400> 145
Met Ile Cys Glu Thr Lys Ala Arg Lys Ser Ser Gly Gln Pro Gly Arg
  1                    5          10          15

Leu Pro Pro Pro Thr Leu Ala Pro Pro Gln Pro Pro Leu Pro Glu Thr
      20                    25          30

Ile Glu Arg Pro Val Gly Thr Gly Ala Met Val Ala Arg Ser Ser Asp
      35                    40          45

Leu Pro Tyr Leu Ile Val Gly Val Val Leu Gly Ser Ile Val Leu Ile
      50                    55          60

Ile Val Thr Phe Ile Pro Phe Cys Leu Trp Arg Ala Trp Ser Lys Gln
      65                    70          75          80

Lys His Thr Thr Asp Leu Gly Phe Pro Arg Ser Ala Leu Pro Pro Ser
      85                    90          95

Cys Pro Tyr Thr Met Val Pro Leu Gly Gly Leu Pro Gly His Gln Ala
      100                   105          110

Val Asp Ser Pro Thr Ser Val Ala Ser Val Asp Gly Pro Val Leu Met
      115                   120          125

Gly Ser Thr
      130

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<210> 146
 <211> 32
 <212> PRT
 <213> Homo sapiens

<400> 146
 Met Gly Ala Pro Ser Leu Thr Met Leu Leu Leu Lys Val Gln Pro
 1 5 10 15
 Arg Arg Thr Gln Ala Phe Asp Ala His Trp Val Gly Leu Pro Leu Leu
 20 25 30

<210> 147
 <211> 14
 <212> PRT
 <213> Homo sapiens

<400> 147
 Met Cys Leu Ile Phe Leu Leu Leu Leu Leu Ser Phe Ser
 1 5 10

<210> 148
 <211> 8
 <212> PRT
 <213> Homo sapiens

<400> 148
 His Pro His Gln Asp Ser Gln Pro
 1 5

<210> 149
 <211> 68
 <212> PRT
 <213> Homo sapiens

<400> 149
 Met Asn Thr Ser Tyr Ile Leu Arg Leu Thr Val Val Val Ser Val Val
 1 5 10 15
 Ile Tyr Leu Ala Ile His Pro Leu Leu Ser Phe Ser Leu Glu Ser Pro
 20 25 30
 Leu Leu Val Pro Trp Arg Asp Cys Cys Gln Asn Ile Trp Lys Ser Gly
 35 40 45
 Ser Val Trp Tyr Lys Arg Trp Thr Leu Pro His Met Glu Val Cys Cys
 50 55 60
 Gln Asp Leu His
 65

<210> 150
 <211> 26

<212> PRT
 <213> Homo sapiens

<400> 150
 Met Leu Lys Ile Phe Lys Glu Trp Glu Asn Leu Asn Leu Ile Leu Thr
 1 5 10 15
 Ser Ile Arg Ile Leu Glu Arg Gln Asn Met
 20 25

<210> 151
 <211> 195
 <212> PRT
 <213> Homo sapiens

<400> 151
 Met Asp Cys Glu Val Asn Asn Gly Ser Ser Leu Arg Asp Glu Cys Ile
 1 5 10 15
 Thr Asn Leu Leu Val Phe Gly Phe Leu Gln Ser Cys Ser Asp Asn Ser
 20 25 30
 Phe Arg Arg Glu Leu Asp Ala Leu Gly His Glu Leu Pro Val Leu Ala
 35 40 45
 Pro Gln Trp Glu Gly Tyr Asp Glu Leu Gln Thr Asp Gly Asn Arg Ser
 50 55 60
 Ser His Ser Arg Leu Gly Arg Ile Glu Ala Asp Ser Glu Ser Gln Glu
 65 70 75 80
 Asp Ile Ile Arg Asn Ile Ala Arg His Leu Ala Gln Val Gly Asp Ser
 85 90 95
 Met Asp Arg Ser Ile Pro Pro Gly Leu Val Asn Gly Leu Ala Leu Gln
 100 105 110
 Leu Arg Asn Thr Ser Arg Ser Glu Glu Asp Arg Asn Arg Asp Leu Ala
 115 120 125
 Thr Ala Leu Glu Gln Leu Leu Gln Ala Tyr Pro Arg Asp Met Glu Lys
 130 135 140
 Glu Lys Thr Met Leu Val Leu Ala Leu Leu Leu Ala Lys Lys Val Ala
 145 150 155 160
 Ser His Thr Pro Ser Leu Leu Arg Asp Val Phe His Thr Thr Val Asn
 165 170 175
 Phe Ile Asn Gln Asn Leu Arg Thr Tyr Val Arg Ser Leu Ala Arg Asn
 180 185 190
 Gly Met Asp
 195

<210> 152
 <211> 91
 <212> PRT
 <213> Homo sapiens

<220>
 <221> MISC_FEATURE

<222> (85)

<223> Xaa equals any of the L-amino acids commonly found in naturally occurring proteins

<220>

<221> MISC_FEATURE

<222> (87)

<223> Xaa equals any of the L-amino acids commonly found in naturally occurring proteins

<400> 152

Met Ser Leu Ser Leu Val Ser Val Ser Val Gly Pro Ser Thr Leu Ala
1 5 10 15

Cys Ser Phe Leu Arg Pro Lys Ala Arg Pro Ser Lys Arg Ser Pro Arg
20 25 30

Asn Tyr Thr Asp Ser Thr Ser Pro Gly Gly Pro Arg Ala Pro Arg Gly
35 40 45

Gly Ala Trp Arg Leu Ser Ser Gln Gln Asn Ser Ser Pro Lys Gly Val
50 55 60

Ala Val Ala Lys Ala Ser Tyr Arg Pro Val Leu Cys Phe Leu Pro Gly
65 70 75 80

Pro Trp Ser Ser Xaa Pro Xaa Ala Phe Leu Ile
85 90

<210> 153

<211> 31

<212> PRT

<213> Homo sapiens

<400> 153

Met Gly Thr Leu Ser Ala Glu Cys Ser Gly Pro Ala Thr Leu Gly Leu
1 5 10 15

Cys Leu Val Val Pro Trp Asn Ser Ser Gly Leu Ser Gln Pro Pro
20 25 30

<210> 154

<211> 90

<212> PRT

<213> Homo sapiens

<400> 154

Met Lys Phe Leu Ala Val Leu Val Leu Leu Gly Val Ser Ile Phe Leu
1 5 10 15

Val Ser Ala Gln Asn Pro Thr Thr Ala Ala Pro Ala Asp Thr Tyr Pro
20 25 30

Ala Thr Gly Pro Ala Asp Asp Glu Ala Pro Asp Ala Glu Thr Thr Ala
35 40 45

Ala Ala Thr Thr Ala Thr Thr Ala Ala Pro Thr Thr Ala Thr Thr Ala
50 55 60

Ala Ser Thr Thr Ala Arg Lys Asp Ile Pro Val Leu Pro Lys Trp Val
65 70 75 80

Gly Asp Leu Pro Asn Gly Arg Val Cys Pro
 85 90

<210> 155
 <211> 89
 <212> PRT
 <213> Homo sapiens

<400> 155
 Met Ile Ile Ser Leu Phe Ile Tyr Ile Phe Leu Thr Cys Ser Asn Thr
 1 5 10 15
 Ser Pro Ser Tyr Gln Gly Thr Gln Leu Gly Leu Gly Leu Pro Ser Ala
 20 25 30
 Gln Trp Trp Pro Leu Thr Gly Arg Arg Met Gln Cys Cys Arg Leu Phe
 35 40 45
 Cys Phe Leu Leu Gln Asn Cys Leu Phe Pro Phe Pro Leu His Leu Ile
 50 55 60
 Gln His Asp Pro Cys Glu Leu Val Leu Thr Ile Ser Trp Asp Trp Ala
 65 70 75 80
 Glu Ala Gly Ala Ser Leu Tyr Ser Pro
 85

<210> 156
 <211> 174
 <212> PRT
 <213> Homo sapiens

<400> 156
 Met Ser Ser Ala Ala Ala Asp His Trp Ala Trp Leu Leu Val Leu Ser
 1 5 10 15
 Phe Val Phe Gly Cys Asn Val Leu Arg Ile Leu Leu Pro Ser Phe Ser
 20 25 30
 Ser Phe Met Ser Arg Val Leu Gln Lys Asp Ala Glu Gln Glu Ser Gln
 35 40 45
 Met Arg Ala Glu Ile Gln Asp Met Lys Gln Glu Leu Ser Thr Val Asn
 50 55 60
 Met Met Asp Glu Phe Ala Arg Tyr Ala Arg Leu Glu Arg Lys Ile Asn
 65 70 75 80
 Lys Met Thr Asp Lys Leu Lys Thr His Val Lys Ala Arg Thr Ala Gln
 85 90 95
 Leu Ala Lys Ile Lys Trp Val Ile Ser Val Ala Phe Tyr Val Leu Gln
 100 105 110
 Ala Ala Leu Met Ile Ser Leu Ile Trp Lys Tyr Tyr Ser Val Pro Val
 115 120 125
 Ala Val Val Pro Ser Lys Trp Ile Thr Pro Leu Asp Arg Leu Val Ala
 130 135 140
 Phe Pro Thr Arg Val Ala Gly Gly Val Gly Ile Thr Cys Trp Ile Leu

145 150 155 160
 Val Cys Asn Lys Val Val Ala Ile Val Leu His Pro Phe Ser
 165 170

<210> 157
 <211> 45
 <212> PRT
 <213> Homo sapiens

<400> 157
 Met Gly Lys Leu Ile Asn Ile Val Ile Arg Lys Pro Leu Leu Leu Leu
 1 5 10 15
 Leu Val Gln Cys Glu Asn Cys Cys Arg Lys Asn Met Leu Tyr Asn Ile
 20 25 30
 Phe Leu Asn Ile His Asn Ile His Lys Phe Ser Asn His
 35 40 45

<210> 158
 <211> 23
 <212> PRT
 <213> Homo sapiens

<400> 158
 Met Val Ala Ser Thr Leu Val Thr Asn Leu Phe Gly Val Ala Phe Ala
 1 5 10 15
 Thr Thr Ala Ala Thr Arg Ala
 20

<210> 159
 <211> 70
 <212> PRT
 <213> Homo sapiens

<220>
 <221> MISC_FEATURE
 <222> (33)
 <223> Xaa equals any of the L-amino acids commonly found in naturally
 occurring proteins

<400> 159
 Met Leu Met Ala Pro Val Val Cys Leu Ser Phe Ser Pro Cys Pro Ala
 1 5 10 15
 Asp Thr Ser Leu Thr Gly Asp Gly Leu Lys Ala Gly Leu Glu Arg Gly
 20 25 30
 Xaa Ala Leu Val Thr Leu Phe Asp Ser Val Thr His Phe Leu Ala His
 35 40 45
 Thr Leu Phe Glu Leu Leu Asp Phe Gln Leu Ala Phe Leu Arg Ser Gly
 50 55 60
 Lys Gln Thr Ala Pro His
 65 70

<210> 160
 <211> 323
 <212> PRT
 <213> Homo sapiens.

<400> 160

Met	Leu	Leu	Leu	Leu	Leu	Leu	Leu	Gly	Ser	Gly	Gln	Gly	Pro	Gln	Gln
1				5					10					15	
Val	Gly	Ala	Gly	Gln	Thr	Phe	Glu	Tyr	Leu	Lys	Arg	Glu	His	Ser	Leu
			20					25					30		
Ser	Lys	Pro	Tyr	Gln	Gly	Val	Gly	Thr	Gly	Ser	Ser	Ser	Leu	Trp	Asn
		35					40					45			
Leu	Met	Gly	Asn	Ala	Met	Val	Met	Thr	Gln	Tyr	Ile	Arg	Leu	Thr	Pro
	50					55					60				
Asp	Met	Gln	Ser	Lys	Gln	Gly	Ala	Leu	Trp	Asn	Arg	Val	Pro	Cys	Phe
65					70					75					80
Leu	Arg	Asp	Trp	Glu	Leu	Gln	Val	His	Phe	Lys	Ile	His	Gly	Gln	Gly
				85					90					95	
Lys	Lys	Asn	Leu	His	Gly	Asp	Gly	Leu	Ala	Ile	Trp	Tyr	Thr	Arg	Asn
			100					105					110		
Arg	Met	Gln	Pro	Gly	Pro	Val	Phe	Gly	Asn	Met	Asp	Lys	Phe	Val	Gly
		115					120					125			
Leu	Gly	Val	Phe	Val	Asp	Thr	Tyr	Pro	Asn	Glu	Glu	Lys	Gln	Gln	Glu
	130					135					140				
Arg	Val	Phe	Pro	Tyr	Ile	Ser	Ala	Met	Val	Asn	Asn	Gly	Ser	Leu	Ser
145					150					155					160
Tyr	Asp	His	Glu	Arg	Asp	Gly	Arg	Pro	Thr	Glu	Leu	Gly	Gly	Cys	Thr
				165					170					175	
Ala	Ile	Val	Arg	Asn	Leu	His	Tyr	Asp	Thr	Phe	Leu	Val	Ile	Arg	Tyr
			180					185					190		
Val	Lys	Arg	His	Leu	Thr	Ile	Met	Met	Asp	Ile	Asp	Gly	Lys	His	Glu
		195					200					205			
Trp	Arg	Asp	Cys	Ile	Glu	Val	Pro	Gly	Val	Arg	Leu	Pro	Arg	Gly	Tyr
	210					215					220				
Tyr	Phe	Gly	Thr	Ser	Ser	Ile	Thr	Gly	Asp	Leu	Ser	Asp	Asn	His	Asp
225					230					235					240
Val	Ile	Ser	Leu	Lys	Leu	Phe	Glu	Leu	Thr	Val	Glu	Arg	Thr	Pro	Glu
				245					250					255	
Glu	Glu	Lys	Leu	His	Arg	Asp	Val	Phe	Leu	Pro	Ser	Val	Asp	Asn	Met
			260					265					270		
Lys	Leu	Pro	Glu	Met	Thr	Ala	Pro	Leu	Pro	Pro	Leu	Ser	Gly	Leu	Ala
		275					280					285			
Leu	Phe	Leu	Ile	Val	Phe	Phe	Ser	Leu	Val	Phe	Ser	Val	Phe	Ala	Ile
	290					295					300				
Val	Ile	Gly	Ile	Ile	Leu	Tyr	Asn	Lys	Trp	Gln	Glu	Gln	Ser	Arg	Lys
305					310					315					320

Arg Phe Tyr

<210> 161
 <211> 320
 <212> PRT
 <213> Homo sapiens

<220>
 <221> MISC_FEATURE
 <222> (120)
 <223> Xaa equals any of the L-amino acids commonly found in naturally occurring proteins

<220>
 <221> MISC_FEATURE
 <222> (292)
 <223> Xaa equals any of the L-amino acids commonly found in naturally occurring proteins

<400> 161
 Met Pro Ser Glu Tyr Thr Tyr Val Lys Leu Arg Ser Asp Cys Ser Arg
 1 5 10 15
 Pro Ser Leu Gln Trp Tyr Thr Arg Ala Gln Ser Lys Met Arg Arg Pro
 20 25 30
 Ser Leu Leu Leu Lys Asp Ile Leu Lys Cys Thr Leu Leu Val Phe Gly
 35 40 45
 Val Trp Ile Leu Tyr Ile Leu Lys Leu Asn Tyr Thr Thr Glu Glu Cys
 50 55 60
 Asp Met Lys Lys Met His Tyr Val Asp Pro Asp His Val Lys Arg Ala
 65 70 75 80
 Gln Lys Tyr Ala Gln Gln Val Leu Gln Lys Glu Cys Arg Pro Lys Phe
 85 90 95
 Ala Lys Thr Ser Met Ala Leu Leu Phe Glu His Arg Tyr Ser Val Asp
 100 105 110
 Leu Leu Pro Phe Val Gln Lys Xaa Pro Lys Asp Ser Glu Ala Glu Ser
 115 120 125
 Lys Tyr Asp Pro Pro Phe Gly Phe Arg Lys Phe Ser Ser Lys Val Gln
 130 135 140
 Thr Leu Leu Glu Leu Leu Pro Glu His Asp Leu Pro Glu His Leu Lys
 145 150 155 160
 Ala Lys Thr Cys Arg Arg Cys Val Val Ile Gly Ser Gly Gly Ile Leu
 165 170 175
 His Gly Leu Glu Leu Gly His Thr Leu Asn Gln Phe Asp Val Val Ile
 180 185 190
 Arg Leu Asn Ser Ala Pro Val Glu Gly Tyr Ser Glu His Val Gly Asn
 195 200 205
 Lys Thr Thr Ile Arg Met Thr Tyr Pro Glu Gly Ala Pro Leu Ser Asp
 210 215 220

Leu Glu Tyr Tyr Ser Asn Asp Leu Phe Val Ala Val Leu Phe Lys Ser
 225 230 235 240
 Val Asp Phe Asn Trp Leu Gln Ala Met Val Lys Lys Glu Thr Leu Pro
 245 250 255
 Phe Trp Val Arg Leu Phe Phe Trp Lys Gln Val Ala Glu Lys Ile Pro
 260 265 270
 Leu Gln Pro Lys His Phe Arg Ile Leu Asn Pro Val Ile Ile Lys Glu
 275 280 285
 Thr Ala Phe Xaa His Pro Ser Val Leu Arg Ala Ser Val Lys Val Leu
 290 295 300
 Gly Ala Glu Ile Arg Thr Ser Pro Gln Ser Val Ser Leu Pro Leu Ser
 305 310 315 320

<210> 162
 <211> 31
 <212> PRT
 <213> Homo sapiens

<400> 162
 Met Thr Leu Asp Val Gln Thr Val Val Val Phe Ala Val Ile Val Val
 1 5 10 15
 Leu Leu Leu Val Asn Val Ile Leu Met Phe Phe Leu Gly Thr Arg
 20 25 30

<210> 163
 <211> 72
 <212> PRT
 <213> Homo sapiens

<220>
 <221> MISC_FEATURE
 <222> (26)
 <223> Xaa equals any of the L-amino acids commonly found in naturally occurring proteins

<220>
 <221> MISC_FEATURE
 <222> (68)
 <223> Xaa equals any of the L-amino acids commonly found in naturally occurring proteins

<220>
 <221> MISC_FEATURE
 <222> (69)
 <223> Xaa equals any of the L-amino acids commonly found in naturally occurring proteins

<220>
 <221> MISC_FEATURE
 <222> (70)
 <223> Xaa equals any of the L-amino acids commonly found in naturally occurring proteins

<400> 163

Met Leu Pro Leu Leu Phe Cys Ala Phe Cys Leu His Lys Leu Gly Pro
 1 5 10 15
 Leu Leu Phe Leu Tyr Asp Val Leu Met Xaa His Glu Ala Val Met Arg
 20 25 30
 Thr His Gln Ile Gln Leu Pro Asp Pro Glu Phe Pro Ser Gln Gln Asn
 35 40 45
 Gln Val Leu Asn Lys Thr Leu Phe Asn Lys Leu Lys Lys Lys Lys Lys
 50 55 60
 Lys Lys Lys Xaa Xaa Xaa Lys Lys
 65 70

<210> 164

<211> 281

<212> PRT

<213> Homo sapiens

<400> 164

Met Ala Ser Arg Gly Arg Arg Pro Glu His Gly Gly Pro Pro Glu Leu
 1 5 10 15
 Phe Tyr Asp Glu Thr Glu Ala Arg Lys Tyr Val Arg Asn Ser Arg Met
 20 25 30
 Ile Asp Ile Gln Thr Arg Met Ala Gly Arg Ala Leu Glu Leu Leu Tyr
 35 40 45
 Leu Pro Glu Asn Lys Pro Cys Tyr Leu Leu Asp Ile Gly Cys Gly Thr
 50 55 60
 Gly Leu Ser Gly Ser Tyr Leu Ser Asp Glu Gly His Tyr Trp Val Gly
 65 70 75 80
 Leu Asp Ile Ser Pro Ala Met Leu Asp Glu Ala Val Asp Arg Glu Ile
 85 90 95
 Glu Gly Asp Leu Leu Leu Gly Asp Met Gly Gln Gly Ile Pro Phe Lys
 100 105 110
 Pro Gly Thr Phe Asp Gly Cys Ile Ser Ile Ser Ala Val Gln Trp Leu
 115 120 125
 Cys Asn Ala Asn Lys Lys Ser Glu Asn Pro Ala Lys Arg Leu Tyr Cys
 130 135 140
 Phe Phe Ala Ser Leu Phe Ser Val Leu Val Arg Gly Ser Arg Ala Val
 145 150 155 160
 Leu Gln Leu Tyr Pro Glu Asn Ser Glu Gln Leu Glu Leu Ile Thr Thr
 165 170 175
 Gln Ala Thr Lys Ala Gly Phe Ser Gly Gly Met Val Val Asp Tyr Pro
 180 185 190
 Asn Ser Ala Lys Ala Lys Lys Phe Tyr Leu Cys Leu Phe Ser Gly Pro
 195 200 205
 Ser Thr Phe Ile Pro Glu Gly Leu Ser Glu Asn Gln Asp Glu Val Glu
 210 215 220

Pro Arg Glu Ser Val Phe Thr Asn Glu Arg Phe Pro Leu Arg Met Ser
 225 230 235 240
 Arg Arg Gly Met Val Arg Lys Ser Arg Ala Trp Val Leu Glu Lys Lys
 245 250 255
 Glu Arg His Arg Arg Gln Gly Arg Glu Val Arg Pro Asp Thr Gln Tyr
 260 265 270
 Thr Gly Arg Lys Arg Lys Pro Arg Phe
 275 280

<210> 165
 <211> 81
 <212> PRT
 <213> Homo sapiens

<400> 165
 Met Glu Lys Ile Pro Glu Val Thr Asn Ser Asn Ser Ser Phe His Ala
 1 5 10 15
 His Asp Leu Gly Phe Cys Val Leu Ser Ile Ala Thr Ser Lys Ser Arg
 20 25 30
 Lys Ala Pro Ala Pro His Ala Gln Lys Cys Asn Leu Lys Ser Leu Arg
 35 40 45
 Ser Ser Ala Gln Thr Asp Ile Asn Lys Pro Val Phe Ser Leu His Pro
 50 55 60
 Glu Pro Pro Gly Lys Ser Gly Ala Gln Thr Gln Ser Lys Ala Pro Phe
 65 70 75 80
 Leu

<210> 166
 <211> 327
 <212> PRT
 <213> Homo sapiens

<220>
 <221> MISC_FEATURE
 <222> (300)
 <223> Xaa equals any of the L-amino acids commonly found in naturally
 occurring proteins

<400> 166
 Met Trp Arg Pro Ser Val Leu Leu Leu Leu Leu Leu Arg His Gly
 1 5 10 15
 Ala Gln Gly Lys Pro Ser Pro Asp Ala Gly Pro His Gly Gln Gly Arg
 20 25 30
 Val His Gln Ala Ala Pro Leu Ser Asp Ala Pro His Asp Asp Ala His
 35 40 45
 Gly Asn Phe Gln Tyr Asp His Glu Ala Phe Leu Gly Arg Glu Val Ala
 50 55 60
 Lys Glu Phe Asp Gln Leu Thr Pro Glu Glu Ser Gln Ala Arg Leu Gly
 65 70 75 80

Arg Ile Val Asp Arg Met Asp Arg Ala Gly Asp Gly Asp Gly Trp Val
 85 90 95
 Ser Leu Ala Glu Leu Arg Ala Trp Ile Ala His Thr Gln Gln Arg His
 100 105 110
 Ile Arg Asp Ser Val Ser Ala Ala Trp Asp Thr Tyr Asp Thr Asp Arg
 115 120 125
 Asp Gly Arg Val Gly Trp Glu Glu Leu Arg Asn Ala Thr Tyr Gly His
 130 135 140
 Tyr Ala Pro Gly Glu Glu Phe His Asp Val Glu Asp Ala Glu Thr Tyr
 145 150 155 160
 Lys Lys Met Leu Ala Arg Asp Glu Arg Arg Phe Arg Val Ala Asp Gln
 165 170 175
 Asp Gly Asp Ser Met Ala Thr Arg Glu Glu Leu Thr Ala Phe Leu His
 180 185 190
 Pro Glu Glu Phe Pro His Met Arg Asp Ile Val Ile Ala Glu Thr Leu
 195 200 205
 Glu Asp Leu Asp Arg Asn Lys Asp Gly Tyr Val Gln Val Glu Glu Tyr
 210 215 220
 Ile Ala Asp Leu Tyr Ser Ala Glu Pro Gly Glu Glu Glu Pro Ala Trp
 225 230 235 240
 Val Gln Thr Glu Arg Gln Gln Phe Arg Asp Phe Arg Asp Leu Asn Lys
 245 250 255
 Asp Gly His Leu Asp Gly Ser Glu Val Gly His Trp Val Leu Pro Pro
 260 265 270
 Ala Gln Asp Gln Pro Leu Val Glu Ala Asn His Leu Leu His Glu Ser
 275 280 285
 Asp Thr Asp Lys Asp Gly Arg Leu Ser Lys Ala Xaa Ile Leu Gly Asn
 290 295 300
 Trp Asn Met Phe Val Gly Ser Gln Ala Thr Asn Tyr Gly Glu Asp Leu
 305 310 315 320
 Thr Arg His His Asp Glu Leu
 325

<210> 167
 <211> 65
 <212> PRT
 <213> Homo sapiens

<400> 167
 Met Ile Lys Ile Leu Lys Glu Ala Ile Glu Glu Thr Ser Phe Cys Ser
 1 5 10 15
 Phe Trp Arg Ile Ser Phe Gln Leu Ser Ile His His Ile Phe Leu Ile
 20 25 30
 Phe Cys Ala Gln Leu Thr Thr Leu Leu Tyr Ser Thr Phe Leu Phe Ile
 35 40 45

Pro Ile Ser Trp Phe Leu Ile Val Pro Gly Ala Val Asp Lys Thr Ile
 50 55 60

Leu
 65

<210> 168
 <211> 159
 <212> PRT
 <213> Homo sapiens

<400> 168
 Met Trp Leu Phe Ile Leu Leu Ser Leu Ala Leu Ile Ser Asp Ala Met
 1 5 10 15
 Val Met Asp Glu Lys Val Lys Arg Ser Phe Val Leu Asp Thr Ala Ser
 20 25 30
 Ala Ile Cys Asn Tyr Asn Ala His Tyr Lys Asn His Pro Lys Tyr Trp
 35 40 45
 Cys Arg Gly Tyr Phe Arg Asp Tyr Cys Asn Ile Ile Ala Phe Ser Pro
 50 55 60
 Asn Ser Thr Asn His Val Ala Leu Lys Asp Thr Gly Asn Gln Leu Ile
 65 70 75 80
 Val Thr Met Ser Cys Leu Asn Lys Glu Asp Thr Gly Trp Tyr Trp Cys
 85 90 95
 Gly Ile Gln Arg Asp Phe Ala Arg Asp Asp Met Asp Phe Thr Glu Leu
 100 105 110
 Ile Val Thr Asp Asp Lys Gly Thr Trp Pro Met Thr Leu Val Trp Glu
 115 120 125
 Arg Leu Ser Gly Thr Lys Pro Glu Ala Ala Arg Leu Pro Lys Leu Ser
 130 135 140
 Ala Arg Leu Thr Ala Pro Gly Arg Pro Phe Ser Ser Phe Ala Tyr
 145 150 155

<210> 169
 <211> 123
 <212> PRT
 <213> Homo sapiens

<220>
 <221> MISC_FEATURE
 <222> (3)
 <223> Xaa equals any of the L-amino acids commonly found in naturally
 occurring proteins

<220>
 <221> MISC_FEATURE
 <222> (65)
 <223> Xaa equals any of the L-amino acids commonly found in naturally
 occurring proteins

<220>
 <221> MISC_FEATURE
 <222> (88)

<223> Xaa equals any of the L-amino acids commonly found in naturally occurring proteins

<220>

<221> MISC_FEATURE

<222> (99)

<223> Xaa equals any of the L-amino acids commonly found in naturally occurring proteins

<220>

<221> MISC_FEATURE

<222> (100)

<223> Xaa equals any of the L-amino acids commonly found in naturally occurring proteins

<220>

<221> MISC_FEATURE

<222> (101)

<223> Xaa equals any of the L-amino acids commonly found in naturally occurring proteins

<400> 169

Met Ala Xaa His Phe Leu Leu Val Ala Leu Gln Ser Val Pro His Cys
1 5 10 15

Pro His Leu Leu Glu Glu Glu His Lys Leu Cys Lys Val Ser His Phe
20 25 30

Ser Gly Val Thr Leu Val Thr Ser Arg Gln Asp Ser Ser Ser Tyr Val
35 40 45

Pro Val Gln Thr Leu Phe Ile His Leu Gly Pro Trp Ala Trp Asp Leu
50 55 60

Xaa Pro Cys Thr Ala Glu Asp Pro Glu Ala Glu Arg Ser Leu Arg Leu
65 70 75 80

Cys His Ser His Leu Ala Arg Xaa Asn Val Ser Pro Ser Gln Ala Ala
85 90 95

Glu Gly Xaa Xaa Xaa Arg Gly Cys Gln His Arg Gly Ser Arg Glu Leu
100 105 110

Thr Phe Leu Ser Ala Glu Asn Glu Ala Gly Ile
115 120

<210> 170

<211> 129

<212> PRT

<213> Homo sapiens

<400> 170

Met Lys Val Gly Ala Arg Ile Arg Val Lys Met Ser Val Asn Lys Ala
1 5 10 15

His Pro Val Val Ser Thr His Trp Arg Trp Pro Ala Glu Trp Pro Gln
20 25 30

Met Phe Leu His Leu Ala Gln Glu Pro Arg Thr Glu Val Lys Ser Arg
35 40 45

Pro Leu Gly Leu Ala Gly Phe Ile Arg Gln Asp Ser Lys Thr Arg Lys
50 55 60

Pro Leu Glu Gln Glu Thr Ile Met Ser Ala Ala Asp Thr Ala Leu Trp
65 70 75 80

Pro Tyr Gly His Gly Asn Arg Glu His Gln Glu Asn Glu Leu Gln Lys
85 90 95

Tyr Leu Gln Tyr Lys Asp Met His Leu Leu Asp Ser Gly Gln Ser Leu
100 105 110

Gly His Thr His Thr Leu Gln Gly Ser His Asn Leu Thr Ala Leu Asn
115 120 125

Ile

<210> 171
<211> 372
<212> PRT
<213> Homo sapiens

<400> 171
Met Ala Tyr His Ser Phe Leu Val Glu Pro Ile Ser Cys His Ala Trp
1 5 10 15

Asn Lys Asp Arg Thr Gln Ile Ala Ile Cys Pro Asn Asn His Glu Val
20 25 30

His Ile Tyr Glu Lys Ser Gly Ala Lys Trp Thr Lys Val His Glu Leu
35 40 45

Lys Glu His Asn Gly Gln Val Thr Gly Ile Asp Trp Ala Pro Glu Ser
50 55 60

Asn Arg Ile Val Thr Cys Gly Thr Asp Arg Asn Ala Tyr Val Trp Thr
65 70 75 80

Leu Lys Gly Arg Thr Trp Lys Pro Thr Leu Val Ile Leu Arg Ile Asn
85 90 95

Arg Ala Ala Arg Cys Val Arg Trp Ala Pro Asn Glu Asn Lys Phe Ala
100 105 110

Val Gly Ser Gly Ser Arg Val Ile Ser Ile Cys Tyr Phe Glu Gln Glu
115 120 125

Asn Asp Trp Trp Val Cys Lys His Ile Lys Lys Pro Ile Arg Ser Thr
130 135 140

Val Leu Ser Leu Asp Trp His Pro Asn Asn Val Leu Leu Ala Ala Gly
145 150 155 160

Ser Cys Asp Phe Lys Cys Arg Ile Phe Ser Ala Tyr Ile Lys Glu Val
165 170 175

Glu Glu Arg Pro Ala Pro Thr Pro Trp Gly Ser Lys Met Pro Phe Gly
180 185 190

Glu Leu Met Phe Glu Ser Ser Ser Ser Cys Gly Trp Val His Gly Val
195 200 205

Cys Phe Ser Ala Ser Gly Ser Arg Val Ala Trp Val Ser His Asp Ser
210 215 220

Thr Val Cys Leu Ala Asp Ala Asp Lys Lys Met Ala Val Ala Thr Leu
 225 230 235 240
 Ala Ser Glu Thr Leu Pro Leu Leu Ala Leu Thr Phe Ile Thr Asp Asn
 245 250 255
 Ser Leu Val Ala Ala Gly His Asp Cys Phe Pro Val Leu Phe Thr Tyr
 260 265 270
 Asp Ala Ala Ala Gly Met Leu Ser Phe Gly Gly Arg Leu Asp Val Pro
 275 280 285
 Lys Gln Ser Ser Gln Arg Gly Leu Thr Ala Arg Glu Arg Phe Gln Asn
 290 295 300
 Leu Asp Lys Lys Ala Ser Ser Glu Gly Gly Thr Ala Ala Gly Ala Gly
 305 310 315 320
 Leu Asp Ser Leu His Lys Asn Ser Val Ser Gln Ile Ser Val Leu Ser
 325 330 335
 Gly Gly Lys Ala Lys Cys Ser Gln Phe Cys Thr Thr Gly Met Asp Gly
 340 345 350
 Gly Met Ser Ile Trp Asp Val Lys Ser Leu Glu Ser Ala Leu Lys Asp
 355 360 365
 Leu Lys Ile Lys
 370

<210> 172
 <211> 216
 <212> PRT
 <213> Homo sapiens

<400> 172

Met Trp Ser Ile Gly Ala Gly Ala Leu Gly Ala Ala Ala Leu Ala Leu
 1 5 10 15
 Leu Leu Ala Asn Thr Asp Val Phe Leu Ser Lys Pro Gln Lys Ala Ala
 20 25 30
 Leu Glu Tyr Leu Glu Asp Ile Asp Leu Lys Thr Leu Glu Lys Glu Pro
 35 40 45
 Arg Thr Phe Lys Ala Lys Glu Leu Trp Glu Lys Asn Gly Ala Val Ile
 50 55 60
 Met Ala Val Arg Arg Pro Gly Cys Phe Leu Cys Arg Glu Glu Ala Ala
 65 70 75 80
 Asp Leu Ser Ser Leu Lys Ser Met Leu Asp Gln Leu Gly Val Pro Leu
 85 90 95
 Tyr Ala Val Val Lys Glu His Ile Arg Thr Glu Val Lys Asp Phe Gln
 100 105 110
 Pro Tyr Phe Lys Gly Glu Ile Phe Leu Asp Glu Lys Lys Lys Phe Tyr
 115 120 125
 Gly Pro Gln Arg Arg Lys Met Met Phe Met Gly Phe Ile Arg Leu Gly
 130 135 140
 Val Trp Tyr Asn Phe Phe Arg Ala Trp Asn Gly Gly Phe Ser Gly Asn

145 150 155 160
 Leu Glu Gly Glu Gly Phe Ile Leu Gly Gly Val Phe Val Val Gly Ser
 165 170 175
 Gly Lys Gln Gly Ile Leu Leu Glu His Arg Glu Lys Glu Phe Gly Asp
 180 185 190
 Lys Val Asn Leu Leu Ser Val Leu Glu Ala Ala Lys Met Ile Lys Pro
 195 200 205
 Gln Thr Leu Ala Ser Glu Lys Lys
 210 215

<210> 173
 <211> 55
 <212> PRT
 <213> Homo sapiens

<400> 173
 Met Lys Pro Val Ser Arg Arg Thr Leu Asp Trp Ile Tyr Ser Val Leu
 1 5 10 15
 Leu Leu Ala Ile Val Leu Ile Ser Trp Gly Cys Ile Ile Tyr Ala Ser
 20 25 30
 Met Val Ser Ala Arg Arg Gln Leu Arg Lys Lys Tyr Pro Asp Lys Ile
 35 40 45
 Phe Gly Thr Asn Glu Asn Leu
 50 55

<210> 174
 <211> 23
 <212> PRT
 <213> Homo sapiens

<220>
 <221> MISC_FEATURE
 <222> (19)
 <223> Xaa equals any of the L-amino acids commonly found in naturally
 occurring proteins

<400> 174
 Met Ala Ala Asn Thr Phe Val Leu Ile Met Gly Ile Pro Thr Ser Ala
 1 5 10 15
 Asn Ala Xaa Arg Asp Leu Phe
 20

<210> 175
 <211> 103
 <212> PRT
 <213> Homo sapiens

<400> 175
 Met Ser Ile Cys His Arg Gly Thr Gly Ile Ala Leu Ser Ala Gly Val
 1 5 10 15
 Ser Leu Phe Gly Met Ser Ala Leu Leu Leu Pro Gly Asn Phe Glu Ser

20 25 30
 Tyr Leu Glu Leu Val Lys Ser Leu Cys Leu Gly Pro Ala Leu Ile His
 35 40 45
 Thr Ala Lys Phe Ala Leu Val Phe Pro Leu Met Tyr His Thr Trp Asn
 50 55 60
 Gly Ile Arg His Leu Met Trp Asp Leu Gly Lys Gly Leu Lys Ile Pro
 65 70 75 80
 Gln Leu Tyr Gln Ser Gly Val Val Val Leu Val Leu Thr Val Leu Ser
 85 90 95
 Ser Met Gly Leu Ala Ala Met
 100

<210> 176
 <211> 48
 <212> PRT
 <213> Homo sapiens

<400> 176
 Met Thr Lys Ala Ser Ser Leu Trp Pro Leu Lys Thr Thr Cys Gln Ile
 1 5 10 15
 Ser Gly Thr Val Phe Phe Phe Leu Phe Leu Phe Ser Cys Phe Leu Met
 20 25 30
 Gln Ala Gln Cys Asp Lys Phe Val Gly Trp Asp Phe Phe Phe Phe Leu
 35 40 45

<210> 177
 <211> 96
 <212> PRT
 <213> Homo sapiens

<220>
 <221> MISC_FEATURE
 <222> (18)
 <223> Xaa equals any of the L-amino acids commonly found in naturally
 occurring proteins

<400> 177
 Met Arg Arg Ala Leu Ile Pro Pro Cys Arg Gly Gly Pro Ser Ala Ser
 1 5 10 15
 Asp Xaa Cys Cys Ser Cys Ser Pro Ser Gly Phe Ser Ala Gly Arg Gly
 20 25 30
 Arg Cys Pro Val Gln Gly Cys Leu Arg Pro His Arg Val Gln Leu Leu
 35 40 45
 Arg Arg Trp Gly Pro Gly Ser Pro Ala Gly Gln Arg Leu Ser Lys Gly
 50 55 60
 Phe Gln Leu Leu Arg Trp Trp Gly Pro Gly Ser Pro Ala Pro Glu Pro
 65 70 75 80

Arg Lys Gly Pro Phe Pro Pro Pro Asp Pro Pro Trp Pro Val Thr Leu
 85 90 95

<210> 178
 <211> 95
 <212> PRT
 <213> Homo sapiens

<220>
 <221> MISC_FEATURE
 <222> (70)
 <223> Xaa equals any of the L-amino acids commonly found in naturally occurring proteins

<400> 178
 Met Leu Glu Thr Thr Lys His Val Gln Ile Ala Cys Met Leu Leu Leu
 1 5 10 15
 Thr Cys Gln Ile Phe Leu Pro Ser Ser Leu Ser Pro Ser Phe Ile His
 20 25 30
 Ser Leu Thr Asp Ser Phe Ile Pro Leu Lys Lys Leu Tyr Val Cys Phe
 35 40 45
 Val Gln Ser Thr Leu Leu Lys Ala Ala Gly Tyr Lys Ser Ile Ser Glu
 50 55 60
 Ala Leu Gly Phe Asp Xaa Leu Leu Cys Ser Ser Ala Arg Phe Val Trp
 65 70 75 80
 Ile Cys His Thr Tyr Ser Arg Pro Leu Val Thr Cys Ala Leu His
 85 90 95

<210> 179
 <211> 27
 <212> PRT
 <213> Homo sapiens

<400> 179
 Met Ser Val Ile Gly Gly Leu Leu Leu Val Val Ala Leu Gly Pro Gly
 1 5 10 15
 Gly Val Ser Met Asp Glu Lys Lys Lys Glu Trp
 20 25

<210> 180
 <211> 89
 <212> PRT
 <213> Homo sapiens

<220>
 <221> MISC_FEATURE
 <222> (12)
 <223> Xaa equals any of the L-amino acids commonly found in naturally occurring proteins

<220>
 <221> MISC_FEATURE

<222> (13)

<223> Xaa equals any of the L-amino acids commonly found in naturally occurring proteins

<220>

<221> MISC_FEATURE

<222> (72)

<223> Xaa equals any of the L-amino acids commonly found in naturally occurring proteins

<400> 180

Met Ser Gly Gly Leu Ser Phe Leu Leu Leu Val Xaa Xaa Gly Thr Gln
1 5 10 15

Ser Pro Leu His Leu Ala Gly Ser Cys Pro Gly Gln Thr His Leu Ser
20 25 30

Phe Pro Leu Gly Gln Asp Arg Gly Gln Gln Leu Gln Gln Lys Gln Gln
35 40 45

Asp Leu Glu Gln Glu Gly Leu Glu Ala Thr Gln Gly Leu Leu Ala Gly
50 55 60

Glu Trp Ala Pro Pro Leu Trp Xaa Leu Gly Ser Leu Phe Gln Ala Phe
65 70 75 80

Val Lys Arg Glu Ser Gln Ala Tyr Ala
85

<210> 181

<211> 65

<212> PRT

<213> Homo sapiens

<400> 181

Met Phe Ala Asp Phe Ile Val Val Thr Ala Thr Val Gln Arg Cys Pro
1 5 10 15

Gly Ser Pro Pro Leu Ser Glu Ile Leu Trp Lys Asp Glu Pro Phe Ala
20 25 30

Ile Ser Ser His Ala Gly Leu Pro Trp Leu Ser Ser Trp Pro Ala Pro
35 40 45

Pro Trp Thr Trp Ser Trp Ile Ser Arg Arg Arg Glu His Gly Arg Gly
50 55 60

Ser
65

<210> 182

<211> 105

<212> PRT

<213> Homo sapiens

<400> 182

Met Ser Ala Leu Thr Arg Leu Ala Ser Phe Ala Arg Val Gly Gly Arg
1 5 10 15

Leu Phe Arg Ser Gly Cys Ala Arg Thr Ala Gly Asp Gly Gly Val Arg
20 25 30

His Ala Gly Gly Gly Val His Ile Glu Pro Arg Tyr Arg Gln Phe Pro
 35 40 45
 Gln Leu Thr Arg Ser Gln Val Phe Gln Ser Glu Phe Phe Ser Gly Leu
 50 55 60
 Met Trp Phe Trp Ile Leu Trp Arg Phe Trp His Asp Ser Glu Glu Val
 65 70 75 80
 Leu Gly His Phe Pro Tyr Pro Asp Pro Ser Gln Trp Thr Asp Glu Glu
 85 90 95
 Leu Gly Ile Pro Pro Asp Asp Glu Asp
 100 105

<210> 183
 <211> 132
 <212> PRT
 <213> Homo sapiens

<400> 183
 Met Asp Val Leu Phe Val Ala Ile Phe Ala Val Pro Leu Ile Leu Gly
 1 5 10 15
 Gln Glu Tyr Glu Asp Glu Glu Arg Leu Gly Glu Asp Glu Tyr Tyr Gln
 20 25 30
 Val Val Tyr Tyr Tyr Thr Val Thr Pro Ser Tyr Asp Asp Phe Ser Ala
 35 40 45
 Asp Phe Thr Ile Asp Tyr Ser Ile Phe Glu Ser Glu Asp Arg Leu Asn
 50 55 60
 Arg Leu Asp Lys Asp Ile Thr Glu Ala Ile Glu Thr Thr Ile Ser Leu
 65 70 75 80
 Glu Thr Ala Arg Ala Asp His Pro Lys Pro Val Thr Val Lys Pro Val
 85 90 95
 Thr Thr Glu Pro Gln Ser Pro Asp Leu Asn Asp Ala Val Ser Ser Leu
 100 105 110
 Arg Ser Pro Ile Pro Leu Leu Leu Ser Cys Ala Phe Val Gln Val Gly
 115 120 125
 Met Tyr Phe Met
 130

<210> 184
 <211> 69
 <212> PRT
 <213> Homo sapiens

<400> 184
 Met Pro Cys Gln Pro Gly Gln Val Pro Ser Cys Gln Cys Thr Phe Gly
 1 5 10 15
 Leu Leu Leu Met Leu Pro Ser Leu Pro Ser Pro Ala Ser Gln Pro Arg
 20 25 30
 Pro Phe Cys Ser Ser Met Glu Tyr Phe His Gly Cys Ala Ser Pro Ser

35

40

45

Gln Ala Ile Ile Gly Gly Phe Pro Phe Ala Ser Val Ala Leu Ala Asp
 50 55 60

Ile Leu Cys Leu Gln
 65

<210> 185
 <211> 45
 <212> PRT
 <213> Homo sapiens

<400> 185
 Met Ser Leu Leu Ser Pro Ala Ile Pro Ala Leu Thr Leu Ile Phe Ile
 1 5 10 15
 Leu Met Phe Phe Ser Phe Pro Phe Arg Ala His Thr Val Val Thr Ile
 20 25 30
 Val Ala Ser Gly Phe Leu Gly Leu Ser Pro Leu Cys Gly
 35 40 45

<210> 186
 <211> 65
 <212> PRT
 <213> Homo sapiens

<400> 186
 Met Ala Phe Gly Leu Gln Met Phe Ile Gln Arg Lys Phe Pro Tyr Pro
 1 5 10 15
 Leu Gln Trp Ser Leu Leu Val Ala Val Val Ala Gly Ser Val Val Ser
 20 25 30
 Tyr Gly Val Thr Arg Val Glu Ser Glu Lys Cys Asn Asn Leu Trp Leu
 35 40 45
 Phe Leu Glu Thr Gly Gln Leu Pro Lys Asp Arg Ser Thr Asp Gln Arg
 50 55 60

Ser
 65

<210> 187
 <211> 49
 <212> PRT
 <213> Homo sapiens

<400> 187
 Met Asn Leu Leu Gly Met Ile Phe Ser Met Cys Gly Leu Met Leu Lys
 1 5 10 15
 Leu Lys Trp Cys Ala Trp Val Ala Val Tyr Cys Ser Phe Ile Ser Phe
 20 25 30
 Ala Asn Ser Arg Ser Ser Glu Asp Thr Lys Gln Met Met Ser Ser Phe
 35 40 45

Met

<210> 188
 <211> 170
 <212> PRT
 <213> Homo sapiens

<400> 188
 Met Leu Leu Asn Val Ala Leu Val Ala Leu Val Leu Leu Gly Ala Tyr
 1 5 10 15
 Arg Leu Trp Val Arg Trp Gly Arg Arg Gly Leu Gly Ala Gly Ala Gly
 20 25 30
 Ala Gly Glu Glu Ser Pro Ala Thr Ser Leu Pro Arg Met Lys Lys Arg
 35 40 45
 Asp Phe Ser Leu Glu Gln Leu Arg Gln Tyr Asp Gly Ser Arg Asn Pro
 50 55 60
 Arg Ile Leu Leu Ala Val Asn Gly Lys Val Phe Asp Val Thr Lys Gly
 65 70 75 80
 Ser Lys Phe Tyr Gly Pro Ala Gly Pro Tyr Gly Ile Phe Ala Gly Arg
 85 90 95
 Asp Ala Ser Arg Gly Leu Ala Thr Phe Cys Leu Asp Lys Asp Ala Leu
 100 105 110
 Arg Asp Glu Tyr Asp Asp Leu Ser Asp Leu Asn Ala Val Gln Met Glu
 115 120 125
 Ser Val Arg Glu Trp Glu Met Gln Phe Lys Glu Lys Tyr Asp Tyr Val
 130 135 140
 Gly Arg Leu Leu Lys Pro Gly Glu Glu Pro Ser Glu Tyr Thr Asp Glu
 145 150 155 160
 Glu Asp Thr Lys Asp His Asn Lys Gln Asp
 165 170

<210> 189
 <211> 132
 <212> PRT
 <213> Homo sapiens

<400> 189
 Met Thr Tyr Phe Ser Gly Leu Leu Val Ile Leu Ala Phe Ala Ala Trp
 1 5 10 15
 Val Ala Leu Ala Glu Gly Leu Gly Val Ala Val Tyr Ala Ala Val
 20 25 30
 Leu Leu Gly Ala Gly Cys Ala Thr Ile Leu Val Thr Ser Leu Ala Met
 35 40 45
 Thr Ala Asp Leu Ile Gly Pro His Thr Asn Ser Gly Ala Phe Val Tyr
 50 55 60
 Gly Ser Met Ser Phe Leu Asp Lys Val Ala Asn Gly Leu Ala Val Met
 65 70 75 80

Ala Ile Gln Ser Leu His Pro Cys Pro Ser Glu Leu Cys Cys Arg Ala
 85 90 95
 Cys Val Ser Phe Tyr His Trp Ala Met Val Ala Val Thr Gly Gly Val
 100 105 110
 Gly Val Ala Ala Ala Leu Cys Leu Cys Ser Leu Leu Leu Trp Pro Thr
 115 120 125
 Arg Leu Arg Arg
 130

<210> 190
 <211> 92
 <212> PRT
 <213> Homo sapiens

<400> 190
 Met Ala Ala Gly Pro Ser Gly Cys Leu Val Pro Ala Phe Gly Leu Arg
 1 5 10 15
 Leu Leu Leu Ala Thr Val Leu Gln Ala Val Ser Ala Phe Gly Ala Glu
 20 25 30
 Phe Ser Ser Glu Ala Cys Arg Glu Leu Gly Phe Ser Ser Asn Leu Leu
 35 40 45
 Cys Ser Ser Cys Asp Leu Leu Gly Gln Phe Asn Leu Leu Gln Leu Asp
 50 55 60
 Pro Asp Cys Arg Gly Cys Cys Gln Glu Glu Ala Gln Phe Glu Thr Lys
 65 70 75 80
 Lys Leu Tyr Ala Gly Ala Ile Leu Glu Val Cys Gly
 85 90

<210> 191
 <211> 176
 <212> PRT
 <213> Homo sapiens

<220>
 <221> MISC_FEATURE
 <222> (137)
 <223> Xaa equals any of the L-amino acids commonly found in naturally
 occurring proteins

<400> 191
 Met Arg Gly Ser His Leu Arg Leu Leu Pro Tyr Leu Val Ala Ala Asn
 1 5 10 15
 Pro Val Asn Tyr Gly Arg Pro Tyr Arg Leu Ser Cys Val Glu Ala Phe
 20 25 30
 Ala Ala Thr Phe Cys Ile Val Gly Phe Pro Asp Leu Ala Val Ile Leu
 35 40 45
 Leu Arg Lys Phe Lys Trp Gly Lys Gly Phe Leu Asp Leu Asn Arg Gln
 50 55 60
 Leu Leu Asp Lys Tyr Ala Ala Cys Gly Ser Pro Glu Glu Val Leu Gln
 65 70 75 80

Ala Glu Gln Glu Phe Leu Ala Asn Ala Lys Glu Ser Pro Gln Glu Glu
 85 90 95

Glu Ile Asp Pro Phe Asp Val Asp Ser Gly Arg Glu Phe Gly Asn Pro
 100 105 110

Asn Arg Pro Val Ala Ser Thr Arg Leu Pro Ser Asp Thr Asp Asp Ser
 115 120 125

Asp Ala Ser Glu Asp Pro Gly Pro Xaa Ala Glu Arg Gly Gly Ala Ser
 130 135 140

Ser Ser Cys Cys Glu Glu Glu Gln Thr Gln Gly Arg Gly Ala Glu Ala
 145 150 155 160

Arg Ala Pro Ala Glu Val Trp Lys Gly Ile Lys Lys Arg Gln Arg Asp
 165 170 175

<210> 192
 <211> 70
 <212> PRT
 <213> Homo sapiens

<400> 192
 Met Ser Asn Ala Cys Lys Glu Leu Ala Ile Phe Leu Thr Thr Gly Ile
 1 5 10 15

Val Val Ser Ala Phe Gly Leu Pro Ile Val Phe Ala Arg Ala His Leu
 20 25 30

Ile Glu Trp Gly Ala Cys Ala Leu Val Leu Thr Gly Asn Thr Val Ile
 35 40 45

Phe Ala Thr Ile Leu Gly Phe Phe Leu Val Phe Gly Ser Asn Asp Asp
 50 55 60

Phe Ser Trp Gln Gln Trp
 65 70

<210> 193
 <211> 25
 <212> PRT
 <213> Homo sapiens

<220>
 <221> MISC_FEATURE
 <222> (11)
 <223> Xaa equals any of the L-amino acids commonly found in naturally
 occurring proteins

<220>
 <221> MISC_FEATURE
 <222> (15)
 <223> Xaa equals any of the L-amino acids commonly found in naturally
 occurring proteins

<400> 193
 Met Thr Leu Leu Ile Ile Phe Leu Pro Phe Xaa Phe Thr Thr Xaa Thr

1

5

10

15

Asn Ser Gly Gly Ser Phe Pro Val Arg
20 25

<210> 194

<211> 73

<212> PRT

<213> Homo sapiens

<220>

<221> MISC_FEATURE

<222> (21)

<223> Xaa equals any of the L-amino acids commonly found in naturally occurring proteins

<400> 194

Met Lys Gly Glu Leu Leu Pro Phe Leu Phe Leu Thr Val Trp Leu Trp
1 5 10 15

Leu Tyr Lys Leu Xaa Phe Gly Glu Ser Pro Arg Tyr Pro Asn Val Ile
20 25 30

Gly Lys Thr Tyr Phe Phe Phe Trp Thr Asp Gln Ile Ser Arg Glu Ser
35 40 45

Arg Phe Leu Glu Arg Leu Ala Phe Ile Val Ser Glu Asn Cys Leu Ile
50 55 60

Phe Leu Ile His Ala Ile Thr Gly Gln
65 70

<210> 195

<211> 289

<212> PRT

<213> Homo sapiens

<400> 195

Met Ser Gly Phe Ser Thr Glu Glu Arg Ala Ala Pro Phe Ser Leu Glu
1 5 10 15

Tyr Arg Val Phe Leu Lys Asn Glu Lys Gly Gln Tyr Ile Ser Pro Phe
20 25 30

His Asp Ile Pro Ile Tyr Ala Asp Lys Asp Val Phe His Met Val Val
35 40 45

Glu Val Pro Arg Trp Ser Asn Ala Lys Met Glu Ile Ala Thr Lys Asp
50 55 60

Pro Leu Asn Pro Ile Lys Gln Asp Val Lys Lys Gly Lys Leu Arg Tyr
65 70 75 80

Val Ala Asn Leu Phe Pro Tyr Lys Gly Tyr Ile Trp Asn Tyr Gly Ala
85 90 95

Ile Pro Gln Thr Trp Glu Asp Pro Gly His Asn Asp Lys His Thr Gly
100 105 110

Cys Cys Gly Asp Asn Asp Pro Ile Asp Val Cys Glu Ile Gly Ser Lys
115 120 125

Val Cys Ala Arg Gly Glu Ile Ile Gly Val Lys Val Leu Gly Ile Leu
130 135 140

Ala Met Ile Asp Glu Gly Glu Thr Asp Trp Lys Val Ile Ala Ile Asn
145 150 155 160

Val Asp Asp Pro Asp Ala Ala Asn Tyr Asn Asp Ile Asn Asp Val Lys
165 170 175

Arg Leu Lys Pro Gly Tyr Leu Glu Ala Thr Val Asp Trp Phe Arg Arg
180 185 190

Tyr Lys Val Pro Asp Gly Lys Pro Glu Asn Glu Phe Ala Phe Asn Ala
195 200 205

Glu Phe Lys Asp Lys Asp Phe Ala Ile Asp Ile Ile Lys Ser Thr His
210 215 220

Asp His Trp Lys Ala Leu Val Thr Lys Lys Thr Asn Gly Lys Gly Ile
225 230 235 240

Ser Cys Met Asn Thr Thr Leu Ser Glu Ser Pro Phe Lys Cys Asp Pro
245 250 255

Asp Ala Ala Arg Ala Ile Val Asp Ala Leu Pro Pro Pro Cys Glu Ser
260 265 270

Ala Cys Thr Val Pro Thr Asp Val Asp Lys Trp Phe His His Gln Lys
275 280 285

Asn

<210> 196
<211> 624
<212> PRT
<213> Homo sapiens

<400> 196
Met Glu Ile Pro Gly Ser Leu Cys Lys Lys Val Lys Leu Ser Asn Asn
1 5 10 15

Ala Gln Asn Trp Gly Met Gln Arg Ala Thr Asn Val Thr Tyr Gln Ala
20 25 30

His His Val Ser Arg Asn Lys Arg Gly Gln Val Val Gly Thr Arg Gly
35 40 45

Gly Phe Arg Gly Cys Thr Val Trp Leu Thr Gly Leu Ser Gly Ala Gly
50 55 60

Lys Thr Thr Val Ser Met Ala Leu Glu Glu Tyr Leu Val Cys His Gly
65 70 75 80

Ile Pro Cys Tyr Thr Leu Asp Gly Asp Asn Ile Arg Gln Gly Leu Asn
85 90 95

Lys Asn Leu Gly Phe Ser Pro Glu Asp Arg Glu Glu Asn Val Arg Arg
100 105 110

Ile Ala Glu Val Ala Lys Leu Phe Ala Asp Ala Gly Leu Val Cys Ile
115 120 125

Thr Ser Phe Ile Ser Pro Tyr Thr Gln Asp Arg Asn Asn Ala Arg Gln

130					135					140					
Ile	His	Glu	Gly	Ala	Ser	Leu	Pro	Phe	Phe	Glu	Val	Phe	Val	Asp	Ala
145					150					155					160
Pro	Leu	His	Val	Cys	Glu	Gln	Arg	Asp	Val	Lys	Gly	Leu	Tyr	Lys	Lys
				165					170					175	
Ala	Arg	Ala	Gly	Glu	Ile	Lys	Gly	Phe	Thr	Gly	Ile	Asp	Ser	Glu	Tyr
			180					185					190		
Glu	Lys	Pro	Glu	Ala	Pro	Glu	Leu	Val	Leu	Lys	Thr	Asp	Ser	Cys	Asp
		195					200					205			
Val	Asn	Asp	Cys	Val	Gln	Gln	Val	Val	Glu	Leu	Leu	Gln	Glu	Arg	Asp
	210					215					220				
Ile	Val	Pro	Val	Asp	Ala	Ser	Tyr	Glu	Val	Lys	Glu	Leu	Tyr	Val	Pro
225					230					235					240
Glu	Asn	Lys	Leu	His	Leu	Ala	Lys	Thr	Asp	Ala	Glu	Thr	Leu	Pro	Ala
				245					250					255	
Leu	Lys	Ile	Asn	Lys	Val	Asp	Met	Gln	Trp	Val	Gln	Val	Leu	Ala	Glu
			260					265					270		
Gly	Trp	Ala	Thr	Pro	Leu	Asn	Gly	Phe	Met	Arg	Glu	Arg	Glu	Tyr	Leu
		275					280					285			
Gln	Cys	Leu	His	Phe	Asp	Cys	Leu	Leu	Asp	Gly	Gly	Val	Ile	Asn	Leu
	290					295					300				
Ser	Val	Pro	Ile	Val	Leu	Thr	Ala	Thr	His	Glu	Asp	Lys	Glu	Arg	Leu
305					310					315					320
Asp	Gly	Cys	Thr	Ala	Phe	Ala	Leu	Met	Tyr	Glu	Gly	Arg	Arg	Val	Ala
				325					330					335	
Ile	Leu	Arg	Asn	Pro	Glu	Phe	Phe	Glu	His	Arg	Lys	Glu	Glu	Arg	Cys
			340					345					350		
Ala	Arg	Gln	Trp	Gly	Thr	Thr	Cys	Lys	Asn	His	Pro	Tyr	Ile	Lys	Met
		355					360					365			
Val	Met	Glu	Gln	Gly	Asp	Trp	Leu	Ile	Gly	Gly	Asp	Leu	Gln	Val	Leu
	370					375					380				
Asp	Arg	Val	Tyr	Trp	Asn	Asp	Gly	Leu	Asp	Gln	Tyr	Arg	Leu	Thr	Pro
385					390					395					400
Thr	Glu	Leu	Lys	Gln	Lys	Phe	Lys	Asp	Met	Asn	Ala	Asp	Ala	Val	Phe
				405					410					415	
Ala	Phe	Gln	Leu	Arg	Asn	Pro	Val	His	Asn	Gly	His	Ala	Leu	Leu	Met
			420					425					430		
Gln	Asp	Thr	His	Lys	Gln	Leu	Leu	Glu	Arg	Gly	Tyr	Arg	Arg	Pro	Val
		435					440					445			
Leu	Leu	Leu	His	Pro	Leu	Gly	Gly	Trp	Thr	Lys	Asp	Asp	Asp	Val	Pro
	450					455					460				
Leu	Met	Trp	Arg	Met	Lys	Gln	His	Ala	Ala	Val	Leu	Glu	Glu	Gly	Val
465					470					475					480
Leu	Asn	Pro	Glu	Thr	Thr	Val	Val	Ala	Ile	Phe	Pro	Ser	Pro	Met	Met

			485						490					495		
Tyr	Ala	Gly	Pro	Thr	Glu	Val	Gln	Trp	His	Cys	Arg	Ala	Arg	Met	Val	
			500					505					510			
Ala	Gly	Ala	Asn	Phe	Tyr	Ile	Val	Gly	Arg	Asp	Pro	Ala	Gly	Met	Pro	
		515					520					525				
His	Pro	Glu	Thr	Gly	Lys	Asp	Leu	Tyr	Glu	Pro	Ser	His	Gly	Ala	Lys	
	530					535					540					
Val	Leu	Thr	Met	Ala	Pro	Gly	Leu	Ile	Thr	Leu	Glu	Ile	Val	Pro	Phe	
545					550					555					560	
Arg	Val	Ala	Ala	Tyr	Asn	Lys	Lys	Lys	Lys	Arg	Met	Asp	Tyr	Tyr	Asp	
				565					570					575		
Ser	Glu	His	His	Glu	Asp	Phe	Glu	Phe	Ile	Ser	Gly	Thr	Arg	Met	Arg	
			580					585					590			
Lys	Leu	Ala	Arg	Glu	Gly	Gln	Lys	Pro	Pro	Glu	Gly	Phe	Met	Ala	Pro	
		595					600					605				
Lys	Ala	Trp	Thr	Val	Leu	Thr	Glu	Tyr	Tyr	Lys	Ser	Leu	Glu	Lys	Ala	
	610					615					620					

<210> 197
 <211> 649
 <212> PRT
 <213> Homo sapiens

<220>
 <221> MISC_FEATURE
 <222> (555)
 <223> Xaa equals any of the L-amino acids commonly found in naturally occurring proteins

<220>
 <221> MISC_FEATURE
 <222> (557)
 <223> Xaa equals any of the L-amino acids commonly found in naturally occurring proteins

<220>
 <221> MISC_FEATURE
 <222> (558)
 <223> Xaa equals any of the L-amino acids commonly found in naturally occurring proteins

<400> 197
 Met Ser Ala Ser Gln Asp Leu Glu Pro Lys Pro Leu Phe Pro Lys Pro
 1 5 10 15
 Ala Phe Gly Gln Lys Pro Pro Leu Ser Thr Glu Asn Ser His Glu Asp
 20 25 30
 Glu Ser Pro Met Lys Asn Val Ser Ser Ser Lys Gly Ser Pro Ala Pro
 35 40 45
 Leu Gly Val Arg Ser Lys Ser Gly Pro Leu Lys Pro Ala Arg Glu Asp
 50 55 60

Ser	Glu	Asn	Lys	Asp	His	Ala	Gly	Glu	Ile	Ser	Ser	Leu	Pro	Phe	Pro	65	70	75	80
Gly	Val	Val	Leu	Lys	Pro	Ala	Ala	Ser	Arg	Gly	Gly	Pro	Gly	Leu	Ser	85	90	95	
Lys	Asn	Gly	Glu	Glu	Lys	Lys	Glu	Asp	Arg	Lys	Ile	Asp	Ala	Ala	Lys	100	105	110	
Asn	Thr	Phe	Gln	Ser	Lys	Ile	Asn	Gln	Glu	Glu	Leu	Ala	Ser	Gly	Thr	115	120	125	
Pro	Pro	Ala	Arg	Phe	Pro	Lys	Ala	Pro	Ser	Lys	Leu	Thr	Val	Gly	Gly	130	135	140	
Pro	Trp	Gly	Gln	Ser	Gln	Glu	Lys	Glu	Lys	Gly	Asp	Lys	Asn	Ser	Ala	145	150	155	160
Thr	Pro	Lys	Gln	Lys	Pro	Leu	Pro	Pro	Leu	Phe	Thr	Leu	Gly	Pro	Pro	165	170	175	
Pro	Pro	Lys	Pro	Asn	Arg	Pro	Pro	Asn	Val	Asp	Leu	Thr	Lys	Phe	His	180	185	190	
Lys	Thr	Ser	Ser	Gly	Asn	Ser	Thr	Ser	Lys	Gly	Gln	Thr	Ser	Tyr	Ser	195	200	205	
Thr	Thr	Ser	Leu	Pro	Pro	Pro	Pro	Pro	Ser	His	Pro	Ala	Ser	Gln	Pro	210	215	220	
Pro	Leu	Pro	Ala	Ser	His	Pro	Ser	Gln	Pro	Pro	Val	Pro	Ser	Leu	Pro	225	230	235	240
Pro	Arg	Asn	Ile	Lys	Pro	Pro	Phe	Asp	Leu	Lys	Ser	Pro	Val	Asn	Glu	245	250	255	
Asp	Asn	Gln	Asp	Gly	Val	Thr	His	Ser	Asp	Gly	Ala	Gly	Asn	Leu	Asp	260	265	270	
Glu	Glu	Gln	Asp	Ser	Glu	Gly	Glu	Thr	Tyr	Glu	Asp	Ile	Glu	Ala	Ser	275	280	285	
Lys	Glu	Arg	Glu	Lys	Lys	Arg	Glu	Lys	Glu	Glu	Lys	Lys	Arg	Leu	Glu	290	295	300	
Leu	Glu	Lys	Lys	Glu	Gln	Lys	Glu	Lys	Glu	Lys	Lys	Glu	Gln	Glu	Ile	305	310	315	320
Lys	Lys	Lys	Phe	Lys	Leu	Thr	Gly	Pro	Ile	Gln	Val	Ile	His	Leu	Ala	325	330	335	
Lys	Ala	Cys	Cys	Asp	Val	Lys	Gly	Gly	Lys	Asn	Glu	Leu	Ser	Phe	Lys	340	345	350	
Gln	Gly	Glu	Gln	Ile	Glu	Ile	Ile	Arg	Ile	Thr	Asp	Asn	Pro	Glu	Gly	355	360	365	
Lys	Trp	Leu	Gly	Arg	Thr	Ala	Arg	Gly	Ser	Tyr	Gly	Tyr	Ile	Lys	Thr	370	375	380	
Thr	Ala	Val	Glu	Ile	Asp	Tyr	Asp	Ser	Leu	Lys	Leu	Lys	Lys	Asp	Ser	385	390	395	400
Leu	Gly	Ala	Pro	Ser	Arg	Pro	Ile	Glu	Asp	Asp	Gln	Glu	Val	Tyr	Asp	405	410	415	

Asp Val Ala Glu Gln Asp Asp Ile Ser Ser His Ser Gln Ser Gly Ser
 420 425 430
 Gly Gly Ile Phe Pro Pro Pro Pro Asp Asp Asp Ile Tyr Asp Gly Ile
 435 440 445
 Glu Glu Glu Asp Ala Asp Asp Gly Ser Thr Leu Gln Val Gln Glu Lys
 450 455 460
 Ser Asn Thr Trp Ser Trp Gly Ile Leu Lys Met Leu Lys Gly Lys Asp
 465 470 475 480
 Asp Arg Lys Lys Ser Ile Arg Glu Lys Pro Lys Val Ser Asp Ser Asp
 485 490 495
 Asn Asn Glu Gly Ser Ser Phe Pro Ala Pro Pro Lys Gln Leu Asp Met
 500 505 510
 Gly Asp Glu Val Tyr Asp Asp Val Asp Thr Ser Asp Phe Pro Val Ser
 515 520 525
 Ser Ala Glu Met Ser Gln Gly Thr Asn Val Gly Lys Ala Lys Thr Glu
 530 535 540
 Glu Lys Asp Leu Lys Lys Leu Lys Lys Gln Xaa Lys Xaa Xaa Lys Asp
 545 550 555 560
 Phe Arg Lys Lys Phe Lys Tyr Asp Gly Glu Ile Arg Val Leu Tyr Ser
 565 570 575
 Thr Lys Val Thr Thr Ser Ile Thr Ser Lys Lys Trp Gly Thr Arg Asp
 580 585 590
 Leu Gln Val Lys Pro Gly Glu Ser Leu Glu Val Ile Gln Thr Thr Asp
 595 600 605
 Asp Thr Lys Val Leu Cys Arg Asn Glu Glu Gly Lys Tyr Gly Tyr Val
 610 615 620
 Leu Arg Ser Tyr Leu Ala Asp Asn Asp Gly Glu Ile Tyr Asp Asp Ile
 625 630 635 640
 Ala Asp Gly Cys Ile Tyr Asp Asn Asp
 645

<210> 198
 <211> 55
 <212> PRT
 <213> Homo sapiens

<400> 198
 Met Ala Trp Pro Ser Arg Ser Lys Met Phe Thr Leu Leu Pro Val Leu
 1 5 10 15
 Cys Tyr Leu Trp Ser Leu Trp Leu Pro Gln Phe Ser Trp Ile Gln Glu
 20 25 30
 Leu Lys Ala Val Leu Arg Asp Asp Gly Leu Ile Ser Ala Val Ala Trp
 35 40 45
 Asn Ala Glu Phe Gln Thr Cys
 50 55

<210> 199
 <211> 266
 <212> PRT
 <213> Homo sapiens

<400> 199
 Met Val Lys Val Thr Phe Asn Ser Ala Leu Ala Gln Lys Glu Ala Lys
 1 5 10 15
 Lys Asp Glu Pro Lys Ser Gly Glu Glu Ala Leu Ile Ile Pro Pro Asp
 20 25 30
 Ala Val Ala Val Asp Cys Lys Asp Pro Asp Asp Val Val Pro Val Gly
 35 40 45
 Gln Arg Arg Ala Trp Cys Trp Cys Met Cys Phe Gly Leu Ala Phe Met
 50 55 60
 Leu Ala Gly Val Ile Leu Gly Gly Ala Tyr Leu Tyr Lys Tyr Phe Ala
 65 70 75 80
 Leu Gln Pro Asp Asp Val Tyr Tyr Cys Gly Ile Lys Tyr Ile Lys Asp
 85 90 95
 Asp Val Ile Leu Asn Glu Pro Ser Ala Asp Ala Pro Ala Ala Leu Tyr
 100 105 110
 Gln Thr Ile Glu Glu Asn Ile Lys Ile Phe Glu Glu Glu Glu Val Glu
 115 120 125
 Phe Ile Ser Val Pro Val Pro Glu Phe Ala Asp Ser Asp Pro Ala Asn
 130 135 140
 Ile Val His Asp Phe Asn Lys Lys Leu Thr Ala Tyr Leu Asp Leu Asn
 145 150 155 160
 Leu Asp Lys Cys Tyr Val Ile Pro Leu Asn Thr Ser Ile Val Met Pro
 165 170 175
 Pro Arg Asn Leu Leu Glu Leu Leu Ile Asn Ile Lys Ala Gly Thr Tyr
 180 185 190
 Leu Pro Gln Ser Tyr Leu Ile His Glu His Met Val Ile Thr Asp Arg
 195 200 205
 Ile Glu Asn Ile Asp His Leu Gly Phe Phe Ile Tyr Arg Leu Cys His
 210 215 220
 Asp Lys Glu Thr Tyr Lys Leu Gln Arg Arg Glu Thr Ile Lys Gly Ile
 225 230 235 240
 Gln Lys Arg Glu Ala Ser Asn Cys Phe Ala Ile Arg His Phe Glu Asn
 245 250 255
 Lys Phe Ala Val Glu Thr Leu Ile Cys Ser
 260 265

<210> 200
 <211> 315
 <212> PRT
 <213> Homo sapiens

<400> 200

Met	Asp	Leu	Arg	Gln	Phe	Leu	Met	Cys	Leu	Ser	Leu	Cys	Thr	Ala	Phe
1				5					10					15	
Ala	Leu	Ser	Lys	Pro	Thr	Glu	Lys	Lys	Asp	Arg	Val	His	His	Glu	Pro
			20					25					30		
Gln	Leu	Ser	Asp	Lys	Val	His	Asn	Asp	Ala	Gln	Ser	Phe	Asp	Tyr	Asp
		35					40					45			
His	Asp	Ala	Phe	Leu	Gly	Ala	Glu	Glu	Ala	Lys	Thr	Phe	Asp	Gln	Leu
	50					55					60				
Thr	Pro	Glu	Glu	Ser	Lys	Glu	Arg	Leu	Gly	Lys	Ile	Val	Ser	Lys	Ile
65					70					75					80
Asp	Gly	Asp	Lys	Asp	Gly	Phe	Val	Thr	Val	Asp	Glu	Leu	Lys	Asp	Trp
				85					90					95	
Ile	Lys	Phe	Ala	Gln	Lys	Arg	Trp	Ile	Tyr	Glu	Asp	Val	Glu	Arg	Gln
			100					105					110		
Trp	Lys	Gly	His	Asp	Leu	Asn	Glu	Asp	Gly	Leu	Val	Ser	Trp	Glu	Glu
		115					120					125			
Tyr	Lys	Asn	Ala	Thr	Tyr	Gly	Tyr	Val	Leu	Asp	Asp	Pro	Asp	Pro	Asp
	130					135					140				
Asp	Gly	Phe	Asn	Tyr	Lys	Gln	Met	Met	Val	Arg	Asp	Glu	Arg	Arg	Phe
145					150					155					160
Lys	Met	Ala	Asp	Lys	Asp	Gly	Asp	Leu	Ile	Ala	Thr	Lys	Glu	Glu	Phe
				165					170					175	
Thr	Ala	Phe	Leu	His	Pro	Glu	Glu	Tyr	Asp	Tyr	Met	Lys	Asp	Ile	Val
			180					185					190		
Val	Gln	Glu	Thr	Met	Glu	Asp	Ile	Asp	Lys	Asn	Ala	Asp	Gly	Phe	Ile
		195					200					205			
Asp	Leu	Glu	Glu	Tyr	Ile	Gly	Asp	Met	Tyr	Ser	His	Asp	Gly	Asn	Thr
	210					215					220				
Asp	Glu	Pro	Glu	Trp	Val	Lys	Thr	Glu	Arg	Glu	Gln	Phe	Val	Glu	Phe
225					230					235					240
Arg	Asp	Lys	Asn	Arg	Asp	Gly	Lys	Met	Asp	Lys	Glu	Glu	Thr	Lys	Asp
				245					250					255	
Trp	Ile	Leu	Pro	Ser	Asp	Tyr	Asp	His	Ala	Glu	Ala	Glu	Ala	Arg	His
			260					265					270		
Leu	Val	Tyr	Glu	Ser	Asp	Gln	Asn	Lys	Asp	Gly	Lys	Leu	Thr	Lys	Glu
		275					280					285			
Glu	Ile	Val	Asp	Lys	Tyr	Asp	Leu	Phe	Val	Gly	Ser	Gln	Ala	Thr	Asp
	290					295					300				
Phe	Gly	Glu	Ala	Leu	Val	Arg	His	Asp	Glu	Phe					
305					310					315					

<210> 201

<211> 207

<212> PRT

<213> Homo sapiens

<400> 201

Met Phe Asp Ala Val Leu Ile Leu Leu Leu Ile Pro Leu Lys Asp Lys
 1 5 10 15

Leu Val Asp Pro Ile Leu Arg Arg His Gly Leu Leu Pro Ser Ser Leu
 20 25 30

Lys Arg Ile Ala Val Gly Met Phe Phe Val Met Cys Ser Ala Phe Ala
 35 40 45

Ala Gly Ile Leu Glu Ser Lys Arg Leu Asn Leu Val Lys Glu Lys Thr
 50 55 60

Ile Asn Gln Thr Ile Gly Asn Val Val Tyr His Ala Ala Asp Leu Ser
 65 70 75 80

Leu Trp Trp Gln Val Pro Gln Tyr Leu Leu Ile Gly Ile Ser Glu Ile
 85 90 95

Phe Ala Ser Ile Ala Gly Leu Glu Phe Ala Tyr Ser Ala Ala Pro Lys
 100 105 110

Ser Met Gln Ser Ala Ile Met Gly Leu Phe Phe Phe Phe Ser Gly Val
 115 120 125

Gly Ser Phe Val Gly Ser Gly Leu Leu Ala Leu Val Ser Ile Lys Ala
 130 135 140

Ile Gly Trp Met Ser Ser His Thr Asp Phe Gly Asn Ile Asn Gly Cys
 145 150 155 160

Tyr Leu Asn Tyr Tyr Phe Phe Leu Leu Ala Ala Ile Gln Gly Ala Thr
 165 170 175

Leu Leu Leu Phe Leu Ile Ile Ser Val Lys Tyr Asp His His Arg Asp
 180 185 190

His Gln Arg Ser Arg Ala Asn Gly Val Pro Thr Ser Arg Arg Ala
 195 200 205

<210> 202

<211> 195

<212> PRT

<213> Homo sapiens

<400> 202

Met Arg Ser Arg Ile Arg Glu Phe Asp Ser Ser Thr Leu Asn Glu Ser
 1 5 10 15

Val Arg Asn Thr Ile Met Arg Asp Leu Lys Ala Val Gly Lys Lys Phe
 20 25 30

Met His Val Leu Tyr Pro Arg Lys Ser Asn Thr Leu Leu Arg Asp Trp
 35 40 45

Asp Leu Trp Gly Pro Leu Ile Leu Cys Val Thr Leu Ala Leu Met Leu
 50 55 60

Gln Arg Asp Ser Ala Asp Ser Glu Lys Asp Gly Gly Pro Gln Phe Ala
 65 70 75 80

Glu Val Phe Val Ile Val Trp Phe Gly Ala Val Thr Ile Thr Leu Asn

85

90

95

Ser Lys Leu Leu Gly Gly Asn Ile Ser Phe Phe Gln Ser Leu Cys Val
 100 105 110

Leu Gly Tyr Cys Ile Leu Pro Leu Thr Val Ala Met Leu Ile Cys Arg
 115 120 125

Leu Val Leu Leu Ala Asp Pro Gly Pro Val Asn Phe Met Val Arg Leu
 130 135 140

Phe Val Val Ile Val Met Phe Ala Trp Ser Ile Val Ala Ser Thr Ala
 145 150 155 160

Phe Leu Ala Asp Ser Gln Pro Pro Asn Arg Arg Ala Leu Ala Val Tyr
 165 170 175

Pro Val Phe Leu Phe Tyr Phe Val Ile Ser Trp Met Ile Leu Thr Phe
 180 185 190

Thr Pro Gln
 195

<210> 203
 <211> 330
 <212> PRT
 <213> Homo sapiens

<400> 203
 Met Ala Lys Asp Gln Ala Val Glu Asn Ile Leu Val Ser Pro Val Val
 1 5 10 15

Val Ala Ser Ser Leu Gly Leu Val Ser Leu Gly Gly Lys Ala Thr Thr
 20 25 30

Ala Ser Gln Ala Lys Ala Val Leu Ser Ala Glu Gln Leu Arg Asp Glu
 35 40 45

Glu Val His Ala Gly Leu Gly Glu Leu Leu Arg Ser Leu Ser Asn Ser
 50 55 60

Thr Ala Arg Asn Val Thr Trp Lys Leu Gly Ser Arg Leu Tyr Gly Pro
 65 70 75 80

Ser Ser Val Ser Phe Ala Asp Asp Phe Val Arg Ser Ser Lys Gln His
 85 90 95

Tyr Asn Cys Glu His Ser Lys Ile Asn Phe Arg Asp Lys Arg Ser Ala
 100 105 110

Leu Gln Ser Ile Asn Glu Trp Ala Ala Gln Thr Thr Asp Gly Lys Leu
 115 120 125

Pro Glu Val Thr Lys Asp Val Glu Arg Thr Asp Gly Ala Leu Leu Val
 130 135 140

Asn Ala Met Phe Phe Lys Pro His Trp Asp Glu Lys Phe His His Lys
 145 150 155 160

Met Val Asp Asn Arg Gly Phe Met Val Thr Arg Ser Tyr Thr Val Gly
 165 170 175

Val Met Met Met His Arg Thr Gly Leu Tyr Asn Tyr Tyr Asp Asp Glu
 180 185 190

Lys Glu Lys Leu Gln Ile Val Glu Met Pro Leu Ala His Lys Leu Ser
 195 200 205
 Ser Leu Ile Ile Leu Met Pro His His Val Glu Pro Leu Glu Arg Leu
 210 215 220
 Glu Lys Leu Leu Thr Lys Glu Gln Leu Lys Ile Trp Met Gly Lys Met
 225 230 235 240
 Gln Lys Lys Ala Val Ala Ile Ser Leu Pro Lys Gly Val Val Glu Val
 245 250 255
 Thr His Asp Leu Gln Lys His Leu Ala Gly Leu Gly Leu Thr Glu Ala
 260 265 270
 Ile Asp Lys Asn Lys Ala Asp Leu Ser Arg Met Ser Gly Lys Lys Asp
 275 280 285
 Leu Tyr Leu Ala Ser Val Phe His Ala Thr Ala Phe Glu Leu Asp Thr
 290 295 300
 Asp Gly Asn Pro Leu Thr Arg Ile Thr Gly Gly Gly Val Arg Thr Gln
 305 310 315 320
 Val Phe Tyr Ala Asp His Pro Phe Ile Ser
 325 330

<210> 204
 <211> 58
 <212> PRT
 <213> Homo sapiens

<400> 204
 Met Cys Met Gln Leu Phe Gly Phe Leu Ala Phe Met Ile Phe Met Cys
 1 5 10 15
 Trp Val Gly Asp Val Tyr Pro Val Tyr Gln Pro Val Gly Pro Lys Gln
 20 25 30
 Tyr Pro Tyr Asn Asn Leu Tyr Leu Glu Arg Gly Gly Asp Pro Ser Lys
 35 40 45
 Glu Pro Glu Arg Val Val His Tyr Glu Ile
 50 55

<210> 205
 <211> 392
 <212> PRT
 <213> Homo sapiens

<400> 205
 Met Asp Ala Leu Val Glu Asp Asp Ile Cys Ile Leu Asn His Glu Lys
 1 5 10 15
 Ala His Lys Arg Asp Thr Val Thr Pro Val Ser Ile Tyr Ser Gly Asp
 20 25 30
 Glu Ser Val Ala Ser His Phe Ala Leu Val Thr Ala Tyr Glu Asp Ile
 35 40 45
 Lys Lys Arg Leu Lys Asp Ser Glu Lys Glu Asn Ser Leu Leu Lys Lys

<210> 206
 <211> 26
 <212> PRT
 <213> Homo sapiens

<400> 206
 Met His His His Thr Gln Leu Met Phe Ile Tyr Leu Phe Ile Tyr Leu
 1 5 10 15
 Phe Ile Leu Gly Val Phe Phe Phe Phe Phe
 20 25

<210> 207
 <211> 38
 <212> PRT
 <213> Homo sapiens

<400> 207
 Met Asn Cys Ile Leu Leu Leu Tyr Leu Leu Ile Pro Thr Ile Ser Ile
 1 5 10 15
 Ser Val Val Pro Tyr Val Ala Leu Asn Ile Lys Tyr Ile Lys Glu Cys
 20 25 30
 Thr Glu Asn Ser Phe Tyr
 35

<210> 208
 <211> 45
 <212> PRT
 <213> Homo sapiens

<220>
 <221> MISC_FEATURE
 <222> (28)
 <223> Xaa equals any of the L-amino acids commonly found in naturally
 occurring proteins

<400> 208
 Met Lys Lys Ser Leu Glu Asn Leu Asn Arg Leu Gln Val Met Leu Leu
 1 5 10 15
 His Leu Thr Ala Ala Phe Leu Gln Arg Ala His Xaa Ile Leu Thr Thr
 20 25 30
 Arg Met Ser Leu Gly Phe Gln Ser Pro His Leu Thr Met
 35 40 45

<210> 209
 <211> 81
 <212> PRT
 <213> Homo sapiens

<400> 209
 Met Ser Lys Arg Ser Ala Ser Phe Ile Leu Leu Pro Leu Leu Phe Leu
 1 5 10 15
 Lys Gly Ser Phe Ala Lys Leu Asn Ala Arg Ile Ser Asp Cys Leu Glu
 20 25 30

Glu Arg Tyr Cys His Asn Leu Trp Met Val Phe Gln Gly Cys Val Ile
35 40 45

Thr Glu Leu His Leu Ser Arg Met Ser Lys Thr Leu Ser Ser Leu Cys
50 55 60

Tyr Asp Phe Val Ile Asn Val Tyr Ile Phe Phe Lys Phe Leu Asp Ile
65 70 75 80

Thr

<210> 210
<211> 49
<212> PRT
<213> Homo sapiens

<400> 210
Met Cys Ser Leu Phe Glu Ser Arg Phe Phe Cys Phe Val Leu Phe Ser
1 5 10 15

Glu Lys Ile Ile Gln Leu Cys Ala Ser Ile Ala Phe Leu Cys Phe Val
20 25 30

Lys His Val Pro Trp Pro Lys Trp Lys Arg Lys Cys Leu Ile Asn Ala
35 40 45

Phe

<210> 211
<211> 203
<212> PRT
<213> Homo sapiens

<400> 211
Met Thr Leu Arg Pro Ser Leu Leu Pro Leu His Leu Leu Leu Leu Leu
1 5 10 15

Leu Leu Ser Ala Ala Val Cys Arg Ala Glu Ala Gly Leu Glu Thr Glu
20 25 30

Ser Pro Val Arg Thr Leu Gln Val Glu Thr Leu Val Glu Pro Pro Glu
35 40 45

Pro Cys Ala Glu Pro Ala Ala Phe Gly Asp Thr Leu His Ile His Tyr
50 55 60

Thr Gly Ser Leu Val Asp Gly Arg Ile Ile Asp Thr Ser Leu Thr Arg
65 70 75 80

Asp Pro Leu Val Ile Glu Leu Gly Gln Lys Gln Val Ile Pro Gly Leu
85 90 95

Glu Gln Ser Leu Leu Asp Met Cys Val Gly Glu Lys Arg Arg Ala Ile
100 105 110

Ile Pro Ser His Leu Ala Tyr Gly Lys Arg Gly Phe Pro Pro Ser Val
115 120 125

Pro Ala Asp Ala Val Val Gln Tyr Asp Val Glu Leu Ile Ala Leu Ile

130 135 140

Arg Ala Asn Tyr Trp Leu Lys Leu Val Lys Gly Ile Leu Pro Leu Val
145 150 155 160

Gly Met Ala Met Val Pro Pro Ser Trp Ala Ser Leu Gly Ile Thr Tyr
165 170 175

Thr Glu Arg Pro Ile Asp Pro Lys Ser Pro Lys Arg Ser Ser Arg Lys
180 185 190

Arg Asn Glu Thr Arg Ala Lys Arg Asn Asn Lys
195 200

<210> 212
<211> 186
<212> PRT
<213> Homo sapiens

<220>
<221> MISC_FEATURE
<222> (122)
<223> Xaa equals any of the L-amino acids commonly found in naturally occurring proteins

<220>
<221> MISC_FEATURE
<222> (136)
<223> Xaa equals any of the L-amino acids commonly found in naturally occurring proteins

<220>
<221> MISC_FEATURE
<222> (142)
<223> Xaa equals any of the L-amino acids commonly found in naturally occurring proteins

<400> 212

Met Lys Thr Leu Met Thr Ile Cys Pro Gly Thr Val Leu Leu Val Phe
1 5 10 15

Ser Ile Ser Leu Trp Ile Ile Ala Ala Trp Thr Val Arg Val Cys Glu
20 25 30

Ser Pro Glu Ser Pro Ala Gln Pro Ser Gly Ser Ser Leu Pro Ala Trp
35 40 45

Tyr His Asp Gln Gln Asp Val Thr Ser Asn Phe Leu Gly Ala Met Trp
50 55 60

Leu Ile Ser Ile Thr Phe Leu Ser Ile Gly Tyr Gly Asp Met Val Pro
65 70 75 80

His Thr Tyr Cys Gly Lys Gly Val Cys Leu Leu Thr Gly Ile Met Gly
85 90 95

Ala Gly Cys Thr Ala Leu Val Val Ala Val Val Ala Arg Lys Leu Glu
100 105 110

Leu Thr Lys Ala Glu Lys His Val His Xaa Phe Met Met Asp Thr Gln
115 120 125

Leu Thr Lys Arg Ile Lys Asn Xaa Ala Ala Asn Val Leu Xaa Glu Thr
130 135 140

Trp Leu Ile Tyr Lys His Thr Lys Leu Leu Lys Lys Ile Asp His Ala
145 150 155 160

Lys Val Arg Asn Thr Arg Gly Ser Ser Ser Lys Tyr Pro Pro Val Glu
165 170 175

Glu Arg Gln Asp Gly Thr Glu Glu Ala Glu
180 185

<210> 213
<211> 90
<212> PRT
<213> Homo sapiens

<400> 213
Met Lys Phe Leu Ala Val Leu Val Leu Leu Gly Val Ser Ile Phe Leu
1 5 10 15
Val Ser Ala Gln Asn Pro Thr Thr Ala Ala Pro Ala Asp Thr Tyr Pro
20 25 30
Ala Thr Gly Pro Ala Asp Asp Glu Ala Pro Asp Ala Glu Thr Thr Ala
35 40 45
Ala Ala Thr Thr Ala Thr Thr Ala Ala Pro Thr Thr Ala Thr Thr Ala
50 55 60
Ala Ser Thr Thr Ala Arg Lys Asp Ile Pro Val Leu Pro Lys Trp Val
65 70 75 80
Gly Asp Leu Pro Asn Gly Arg Val Cys Pro
85 90

<210> 214
<211> 48
<212> PRT
<213> Homo sapiens

<400> 214
Met Ser Ser Ala Ala Ala Asp His Trp Ala Trp Leu Leu Val Leu Ser
1 5 10 15
Phe Val Phe Gly Cys Asn Val Leu Arg Ile Leu Leu Pro Ser Phe Ser
20 25 30
Ser Phe Met Ser Arg Val Leu Gln Lys Asp Ala Asp Arg Ser His Arg
35 40 45

<210> 215
<211> 70
<212> PRT
<213> Homo sapiens

<400> 215
Met Thr Ala Pro Leu Pro Pro Leu Ser Gly Leu Ala Leu Phe Leu Ile
1 5 10 15

Val Phe Phe Ser Leu Gly Val Phe Cys Ile Cys His Ser His Trp Tyr
 20 25 30
 His Thr Leu Gln Gln Met Ala Gly Thr Glu Pro Lys Ala Leu Leu Leu
 35 40 45
 Ser Pro Pro Ala Ala Thr Thr Phe Val Thr Val Thr His Glu Val Trp
 50 55 60
 Lys Glu Gln Ala Leu Ala
 65 70

<210> 216
 <211> 83
 <212> PRT
 <213> Homo sapiens

<400> 216
 Met Thr Cys Ser Val Ala Leu Leu Leu Ile Leu Gly Leu Arg Cys Ser
 1 5 10 15
 Gly Val Arg Pro Gly Leu Val Gly Glu Gly His Asn Pro Ser Leu Leu
 20 25 30
 Val Cys Leu Leu Leu Lys Asp Ser Arg Thr Asn Gln Gly Ser Cys Pro
 35 40 45
 Gly Gly Pro Trp Ser Glu Arg Asp Ile Glu Ser Val Thr Ser Asp Asn
 50 55 60
 Cys Glu Ala Thr Leu Gly Tyr Arg Asn His Ser Leu Pro Ser Asn Tyr
 65 70 75 80
 Tyr Asn Ser

<210> 217
 <211> 43
 <212> PRT
 <213> Homo sapiens

<400> 217
 Met Leu Thr Arg Ser Leu Lys Thr Leu Pro Ser Ala Cys Thr Ala Phe
 1 5 10 15
 Leu Leu Leu Phe Phe Leu Phe Ser Ser Gly Asp Pro Glu Leu Ser Cys
 20 25 30
 Ser Cys Thr Leu Arg Thr Gln Ser Ser Trp Ser
 35 40

<210> 218
 <211> 184
 <212> PRT
 <213> Homo sapiens

<220>
 <221> MISC_FEATURE
 <222> (140)

<223> Xaa equals any of the L-amino acids commonly found in naturally occurring proteins

<220>

<221> MISC_FEATURE

<222> (145)

<223> Xaa equals any of the L-amino acids commonly found in naturally occurring proteins

<220>

<221> MISC_FEATURE

<222> (146)

<223> Xaa equals any of the L-amino acids commonly found in naturally occurring proteins

<220>

<221> MISC_FEATURE

<222> (148)

<223> Xaa equals any of the L-amino acids commonly found in naturally occurring proteins

<220>

<221> MISC_FEATURE

<222> (165)

<223> Xaa equals any of the L-amino acids commonly found in naturally occurring proteins

<400> 218

Met Trp Arg Pro Ser Val Leu Leu Leu Leu Leu Leu Arg His Gly
1 5 10 15

Ala Gln Gly Lys Pro Ser Pro Asp Ala Gly Pro His Gly Gln Gly Arg
20 25 30

Val His Gln Ala Ala Pro Leu Ser Asp Ala Pro His Asp Asp Ala His
35 40 45

Gly Asn Phe Gln Tyr Asp His Glu Ala Phe Leu Gly Arg Glu Val Ala
50 55 60

Lys Glu Phe Asp Gln Leu Thr Pro Glu Glu Ser Gln Ala Arg Leu Gly
65 70 75 80

Arg Ile Val Asp Arg Met Asp Arg Ala Gly Asp Gly Asp Gly Trp Val
85 90 95

Ser Leu Ala Glu Leu Arg Ala Trp Ile Ala His Thr Gln Gln Arg His
100 105 110

Ile Arg Asp Ser Val Ser Ala Ala Trp Asp Thr Tyr Asp Thr Asp Arg
115 120 125

Asp Gly Arg Val Gly Trp Glu Glu Leu Arg Asn Xaa Thr Tyr Gly His
130 135 140

Xaa Xaa Pro Xaa Glu Glu Phe His Asp Val Glu Asp Ala Glu Thr Tyr
145 150 155 160

Lys Lys Met Leu Xaa Arg Asp Glu Arg Arg Phe Arg Val Ala Asp Gln
165 170 175

Asp Gly Asp Ser Met Ala Thr Arg
180

<210> 219
 <211> 71
 <212> PRT
 <213> Homo sapiens

<220>
 <221> MISC_FEATURE
 <222> (40)
 <223> Xaa equals any of the L-amino acids commonly found in naturally occurring proteins

<220>
 <221> MISC_FEATURE
 <222> (51)
 <223> Xaa equals any of the L-amino acids commonly found in naturally occurring proteins

<220>
 <221> MISC_FEATURE
 <222> (55)
 <223> Xaa equals any of the L-amino acids commonly found in naturally occurring proteins

<400> 219
 Met Trp Leu Phe Ile Leu Leu Ser Leu Ala Leu Ile Ser Asp Ala Met
 1 5 10 15
 Val Met Asp Glu Lys Val Lys Arg Ser Leu Cys Trp Thr Arg Leu Leu
 20 25 30
 Pro Ser Ala Thr Thr Met Pro Xaa Thr Arg Ile Thr Pro Asn Thr Gly
 35 40 45
 Ala Glu Xaa Ile Ser Val Xaa Thr Ala Thr Ser Ser Pro Ser Pro Leu
 50 55 60
 Thr Ala Pro Ile Met Trp Pro
 65 70

<210> 220
 <211> 10
 <212> PRT
 <213> Homo sapiens

<400> 220
 Met His Val Phe Val Leu Glu Ile Phe Leu
 1 5 10

<210> 221
 <211> 138
 <212> PRT
 <213> Homo sapiens

<400> 221
 Met Ala Val Ala Thr Leu Ala Ser Glu Thr Leu Pro Leu Leu Ala Leu
 1 5 10 15
 Thr Phe Ile Thr Asp Asn Ser Leu Val Ala Ala Gly His Asp Cys Phe
 20 25 30
 Pro Val Leu Phe Thr Tyr Asp Ala Ala Ala Gly Met Leu Ser Phe Gly

	35		40		45												
Gly	Arg	Leu	Asp	Val	Pro	Lys	Gln	Ser	Ser	Gln	Arg	Gly	Leu	Thr	Ala		
	50					55					60						
Arg	Glu	Arg	Phe	Gln	Asn	Leu	Asp	Lys	Lys	Ala	Ser	Ser	Glu	Gly	Gly		
	65				70					75					80		
Thr	Ala	Ala	Gly	Ala	Gly	Leu	Asp	Ser	Leu	His	Lys	Asn	Ser	Val	Ser		
				85					90					95			
Gln	Ile	Ser	Val	Leu	Ser	Gly	Gly	Lys	Ala	Lys	Cys	Ser	Gln	Phe	Cys		
			100					105					110				
Thr	Thr	Gly	Met	Asp	Gly	Gly	Met	Ser	Ile	Trp	Asp	Val	Lys	Ser	Leu		
		115					120					125					
Glu	Ser	Ala	Leu	Lys	Asp	Leu	Lys	Ile	Lys								
	130					135											

<210> 222
 <211> 11
 <212> PRT
 <213> Homo sapiens

<400> 222
 Met Ser Gly Gly Leu Ser Phe Leu Leu Leu Val
 1 5 10

<210> 223
 <211> 23
 <212> PRT
 <213> Homo sapiens

<400> 223
 Leu Gly Ser Leu Ser Thr Ala Pro Ser Ser Ala Leu Pro Thr Leu Gly
 1 5 10 15
 Ala Arg Arg Thr Arg Ser Lys
 20

<210> 224
 <211> 66
 <212> PRT
 <213> Homo sapiens

<400> 224
 Met Thr Tyr Phe Ser Gly Leu Leu Val Ile Leu Ala Phe Ala Ala Trp
 1 5 10 15
 Val Ala Leu Ala Glu Gly Leu Gly Val Ala Val Tyr Ala Ala Val
 20 25 30
 Leu Leu Gly Ala Gly Cys Ala Thr Ile Leu Val Thr Ser Leu Ala Met
 35 40 45
 Thr Ala Asp Leu Ile Gly Pro His Thr Asn Ser Gly Leu Ser Cys Thr
 50 55 60
 Ala Pro

65

<210> 225
 <211> 28
 <212> PRT
 <213> Homo sapiens

<400> 225
 Gly Lys Pro Thr Gly Lys Ser Leu Pro Leu Met Trp Met Ile Leu Met
 1 5 10 15

Gln Pro Ile Ile Met Ile Ser Met Met Ser Asn Gly
 20 25

<210> 226
 <211> 61
 <212> PRT
 <213> Homo sapiens

<400> 226
 Met Gln Gly Lys Phe Met Lys Val Gln Val Tyr Arg Phe Leu Lys Tyr
 1 5 10 15

Leu Leu Met Leu Leu Cys Met Phe Val Asn Arg Gly Met Ser Lys Asp
 20 25 30

Ser Thr Lys Lys Pro Gly Gln Glu Lys Leu Lys Val Ser Leu Gly Ser
 35 40 45

Ile Leu Asn Met Lys Ser Gln Arg Pro Leu Ser Trp Cys
 50 55 60

<210> 227
 <211> 29
 <212> PRT
 <213> Homo sapiens

<400> 227
 Met Met Glu Arg Ser Met Met Ile Leu Leu Met Ala Ala Ser Met Thr
 1 5 10 15

Met Thr Ser Thr Gln Leu Trp Ser Phe Cys Cys Val His
 20 25

<210> 228
 <211> 18
 <212> PRT
 <213> Homo sapiens

<400> 228
 Met Trp Tyr Gln Leu Ala Lys Glu Glu Pro Gly Val Gly Ala Cys Ala
 1 5 10 15

Leu Asp

<210> 229

<211> 72
 <212> PRT
 <213> Homo sapiens

<400> 229
 Met Leu Ile Cys Arg Leu Val Leu Leu Ala Asp Pro Gly Pro Val Asn
 1 5 10 15
 Phe Met Val Arg Leu Phe Val Val Ile Val Met Phe Ala Trp Ser Ile
 20 25 30
 Val Ala Ser Thr Ala Phe Leu Ala Asp Ser Gln Pro Pro Asn Arg Arg
 35 40 45
 Ala Leu Ala Val Tyr Pro Val Phe Leu Phe Tyr Phe Val Ile Ser Trp
 50 55 60
 Met Ile Leu Thr Phe Thr Pro Gln
 65 70

<210> 230
 <211> 142
 <212> PRT
 <213> Homo sapiens

<220>
 <221> MISC_FEATURE
 <222> (47)
 <223> Xaa equals any of the L-amino acids commonly found in naturally
 occurring proteins

<220>
 <221> MISC_FEATURE
 <222> (121)
 <223> Xaa equals any of the L-amino acids commonly found in naturally
 occurring proteins

<400> 230
 Met Arg Ser Leu Leu Leu Leu Ser Ala Phe Cys Leu Leu Glu Ala Ala
 1 5 10 15
 Leu Ala Ala Glu Val Lys Lys Pro Ala Ala Ala Ala Ala Pro Gly Thr
 20 25 30
 Ala Glu Lys Leu Ser Pro Lys Ala Ala Thr Leu Ala Glu Arg Xaa Arg
 35 40 45
 Pro Gly Leu Gln Leu Val Pro Gly His Gly Gln Gly Pro Gly Ser Gly
 50 55 60
 Glu His Pro Gly Val Thr Arg Gly Gly Gly Leu Val Ala Gly Ala Arg
 65 70 75 80
 Val Ala Gly Arg Gln Gly Asp His Gly Val Ala Gly Gln Gly Ser Ala
 85 90 95
 Glu Arg Arg Ala Ala Ala Arg Arg Gly Gly Ala Arg Arg Pro Gly Arg
 100 105 110
 Ala Ala Ala Leu Thr Gln Gln Leu Xaa Gly Ala Gln Arg Asp Leu Glu
 115 120 125
 Ala Gly Gln Pro Thr Val Arg Thr Gln Leu Ser Glu Leu Arg

130

135

140

<210> 231
 <211> 54
 <212> PRT
 <213> Homo sapiens

<400> 231
 Asp Pro Glu Ala Ala Asp Ser Gly Glu Pro Gln Asn Lys Arg Thr Pro
 1 5 10 15
 Asp Leu Pro Glu Glu Glu Tyr Val Lys Glu Glu Ile Gln Glu Asn Glu
 20 25 30
 Glu Ala Val Lys Lys Met Leu Val Glu Ala Thr Arg Glu Phe Glu Glu
 35 40 45
 Val Val Val Asp Glu Ser
 50

<210> 232
 <211> 63
 <212> PRT
 <213> Homo sapiens

<400> 232
 Gln Lys Leu Lys Arg Lys Ala Glu Glu Asp Pro Glu Ala Ala Asp Ser
 1 5 10 15
 Gly Glu Pro Gln Asn Lys Arg Thr Pro Asp Leu Pro Glu Glu Glu Tyr
 20 25 30
 Val Lys Glu Glu Ile Gln Glu Asn Glu Glu Ala Val Lys Lys Met Leu
 35 40 45
 Val Glu Ala Thr Arg Glu Phe Glu Glu Val Val Val Asp Glu Ser
 50 55 60

<210> 233
 <211> 113
 <212> PRT
 <213> Homo sapiens

<400> 233
 Lys Ala Met Glu Lys Ser Ser Leu Thr Gln His Ser Trp Gln Ser Leu
 1 5 10 15
 Lys Asp Arg Tyr Leu Lys His Leu Arg Gly Gln Glu His Lys Tyr Leu
 20 25 30
 Leu Gly Asp Ala Pro Val Ser Pro Ser Ser Gln Lys Leu Lys Arg Lys
 35 40 45
 Ala Glu Glu Asp Pro Glu Ala Ala Asp Ser Gly Glu Pro Gln Asn Lys
 50 55 60
 Arg Thr Pro Asp Leu Pro Glu Glu Glu Tyr Val Lys Glu Glu Ile Gln
 65 70 75 80
 Glu Asn Glu Glu Ala Val Lys Lys Met Leu Val Glu Ala Thr Arg Glu

85

90

95

Phe Glu Glu Val Val Val Asp Glu Ser Pro Pro Asp Phe Glu Ile His
 100 105 110

Ile

<210> 234
 <211> 148
 <212> PRT
 <213> Homo sapiens

<400> 234
 Leu Pro Ser Tyr Asp Glu Ala Glu Arg Thr Lys Ala Glu Ala Thr Ile
 1 5 10 15
 Pro Leu Val Pro Gly Arg Asp Glu Asp Phe Val Gly Arg Asp Asp Phe
 20 25 30
 Asp Asp Ala Asp Gln Leu Arg Ile Gly Asn Asp Gly Ile Phe Met Leu
 35 40 45
 Thr Phe Phe Met Ala Phe Leu Phe Asn Trp Ile Gly Phe Phe Leu Ser
 50 55 60
 Phe Cys Leu Thr Thr Ser Ala Ala Gly Arg Tyr Gly Ala Ile Ser Gly
 65 70 75 80
 Phe Gly Leu Ser Leu Ile Lys Trp Ile Leu Ile Val Arg Phe Ser Thr
 85 90 95
 Tyr Phe Pro Gly Tyr Phe Asp Gly Gln Tyr Trp Leu Trp Trp Val Phe
 100 105 110
 Leu Val Leu Gly Phe Leu Leu Phe Leu Arg Gly Phe Ile Asn Tyr Ala
 115 120 125
 Lys Val Arg Lys Met Pro Glu Thr Phe Ser Asn Leu Pro Arg Thr Arg
 130 135 140
 Val Leu Phe Ile
 145

<210> 235
 <211> 24
 <212> PRT
 <213> Homo sapiens

<400> 235
 Ala Gly Arg Tyr Gly Ala Ile Ser Gly Phe Gly Leu Ser Leu Ile Lys
 1 5 10 15
 Trp Ile Leu Ile Val Arg Phe Ser
 20

<210> 236
 <211> 51
 <212> PRT
 <213> Homo sapiens

<400> 236

Met Lys His Leu Ser Ala Trp Asn Phe Thr Lys Leu Thr Phe Leu Gln
 1 5 10 15

Leu Trp Glu Ile Phe Glu Gly Ser Val Glu Asn Cys Gln Thr Leu Thr
 20 25 30

Ser Tyr Ser Lys Leu Gln Ile Lys Tyr Thr Phe Ser Arg Gly Ser Thr
 35 40 45

Phe Tyr Ile
 50

<210> 237

<211> 213

<212> PRT

<213> Homo sapiens

<400> 237

Phe Ser Ser Asp Phe Arg Thr Ser Pro Trp Glu Ser Arg Arg Val Glu
 1 5 10 15

Ser Lys Ala Thr Ser Ala Arg Cys Gly Leu Trp Gly Ser Gly Pro Arg
 20 25 30

Arg Arg Pro Ala Ser Gly Met Phe Arg Gly Leu Ser Ser Trp Leu Gly
 35 40 45

Leu Gln Gln Pro Val Ala Gly Gly Gly Gln Pro Asn Gly Asp Ala Pro
 50 55 60

Pro Glu Gln Pro Ser Glu Thr Val Ala Glu Ser Ala Glu Glu Glu Leu
 65 70 75 80

Gln Gln Ala Gly Asp Gln Glu Leu Leu His Gln Ala Lys Asp Phe Gly
 85 90 95

Asn Tyr Leu Phe Asn Phe Ala Ser Ala Ala Thr Lys Lys Ile Thr Glu
 100 105 110

Ser Val Ala Glu Thr Ala Gln Thr Ile Lys Lys Ser Val Glu Glu Gly
 115 120 125

Lys Ile Asp Gly Ile Ile Asp Lys Thr Ile Ile Gly Asp Phe Gln Lys
 130 135 140

Glu Gln Lys Lys Phe Val Glu Glu Gln His Thr Lys Lys Ser Glu Ala
 145 150 155 160

Ala Val Pro Pro Trp Val Asp Thr Asn Asp Glu Glu Thr Ile Gln Gln
 165 170 175

Gln Ile Leu Ala Leu Ser Ala Asp Lys Arg Asn Phe Leu Arg Asp Pro
 180 185 190

Pro Ala Gly Val Gln Phe Asn Phe Asp Phe Asp Gln Met Tyr Pro Val
 195 200 205

Ala Leu Val Met Leu
 210

<210> 238

<211> 49
 <212> PRT
 <213> Homo sapiens

<400> 238
 Met Arg Phe Ala Leu Val Pro Lys Leu Val Lys Glu Glu Val Phe Trp
 1 5 10 15
 Arg Asn Tyr Phe Tyr Arg Val Ser Leu Ile Lys Gln Ser Ala Gln Leu
 20 25 30
 Thr Ala Leu Ala Ala Gln Gln Gln Ala Ala Gly Lys Gly Gly Glu Glu
 35 40 45
 Gln

<210> 239
 <211> 76
 <212> PRT
 <213> Homo sapiens

<400> 239
 Ser Thr Ser Pro Gly Val Ser Glu Phe Val Ser Asp Ala Phe Asp Ala
 1 5 10 15
 Cys Asn Leu Asn Gln Glu Asp Leu Arg Lys Glu Met Glu Gln Leu Val
 20 25 30
 Leu Asp Lys Lys Gln Glu Glu Thr Ala Val Leu Glu Glu Asp Ser Ala
 35 40 45
 Asp Trp Glu Lys Glu Leu Gln Gln Glu Leu Gln Glu Tyr Glu Val Val
 50 55 60
 Thr Glu Ser Glu Lys Arg Asp Glu Asn Trp Asp Lys
 65 70 75

<210> 240
 <211> 62
 <212> PRT
 <213> Homo sapiens

<400> 240
 Ser Pro Trp Glu Ser Arg Arg Val Glu Ser Lys Ala Thr Ser Ala Arg
 1 5 10 15
 Cys Gly Leu Trp Gly Ser Gly Pro Arg Arg Arg Pro Ala Ser Gly Met
 20 25 30
 Phe Arg Gly Leu Ser Ser Trp Leu Gly Leu Gln Gln Pro Val Ala Gly
 35 40 45
 Gly Gly Gln Pro Asn Gly Asp Ala Pro Pro Glu Gln Pro Ser
 50 55 60

<210> 241
 <211> 65
 <212> PRT
 <213> Homo sapiens

<400> 241

Pro Val Ala Gly Gly Gly Gln Pro Asn Gly Asp Ala Pro Pro Glu Gln
 1 5 10 15

Pro Ser Glu Thr Val Ala Glu Ser Ala Glu Glu Glu Leu Gln Gln Ala
 20 25 30

Gly Asp Gln Glu Leu Leu His Gln Ala Lys Asp Phe Gly Asn Tyr Leu
 35 40 45

Phe Asn Phe Ala Ser Ala Ala Thr Lys Lys Ile Thr Glu Ser Val Ala
 50 55 60

Glu
 65

<210> 242

<211> 72

<212> PRT

<213> Homo sapiens

<400> 242

Phe Gln Lys Glu Gln Lys Lys Phe Val Glu Glu Gln His Thr Lys Lys
 1 5 10 15

Ser Glu Ala Ala Val Pro Pro Trp Val Asp Thr Asn Asp Glu Glu Thr
 20 25 30

Ile Gln Gln Gln Ile Leu Ala Leu Ser Ala Asp Lys Arg Asn Phe Leu
 35 40 45

Arg Asp Pro Pro Ala Gly Val Gln Phe Asn Phe Asp Phe Asp Gln Met
 50 55 60

Tyr Pro Val Ala Leu Val Met Leu
 65 70

<210> 243

<211> 28

<212> PRT

<213> Homo sapiens

<400> 243

Pro Phe Ile Cys Val Ala Arg Asn Pro Val Ser Arg Asn Phe Ser Ser
 1 5 10 15

Pro Ile Leu Ala Arg Lys Leu Cys Glu Gly Ala Ala
 20 25

<210> 244

<211> 33

<212> PRT

<213> Homo sapiens

<400> 244

Lys Glu Asp Pro Ala Asn Thr Val Tyr Ser Thr Val Glu Ile Pro Lys
 1 5 10 15

Lys Met Glu Asn Pro His Ser Leu Leu Thr Met Pro Asp Thr Pro Arg
 20 25 30

Leu

<210> 245
 <211> 227
 <212> PRT
 <213> Homo sapiens

<400> 245
 Ala Ser Ala Val Leu Leu Asp Leu Pro Asn Ser Gly Gly Glu Ala Gln
 1 5 10 15
 Ala Lys Lys Leu Gly Asn Asn Cys Val Phe Ala Pro Ala Asp Val Thr
 20 25 30
 Ser Glu Lys Asp Val Gln Thr Ala Leu Ala Leu Ala Lys Gly Lys Phe
 35 40 45
 Gly Arg Val Asp Val Ala Val Asn Cys Ala Gly Ile Ala Val Ala Ser
 50 55 60
 Lys Thr Tyr Asn Leu Lys Lys Gly Gln Thr His Thr Leu Glu Asp Phe
 65 70 75 80
 Gln Arg Val Leu Asp Val Asn Leu Met Gly Thr Phe Asn Val Ile Arg
 85 90 95
 Leu Val Ala Gly Glu Met Gly Gln Asn Glu Pro Asp Gln Gly Gly Gln
 100 105 110
 Arg Gly Val Ile Ile Asn Thr Ala Ser Val Ala Ala Phe Glu Gly Gln
 115 120 125
 Val Gly Gln Ala Ala Tyr Ser Ala Ser Lys Gly Gly Ile Val Gly Met
 130 135 140
 Thr Leu Pro Ile Ala Arg Asp Leu Ala Pro Ile Gly Ile Arg Val Met
 145 150 155 160
 Thr Ile Ala Pro Gly Leu Phe Gly Thr Pro Leu Leu Thr Ser Leu Pro
 165 170 175
 Glu Lys Val Cys Asn Phe Leu Ala Ser Gln Val Pro Phe Pro Ser Arg
 180 185 190
 Leu Gly Asp Pro Ala Glu Tyr Ala His Leu Val Gln Ala Ile Ile Glu
 195 200 205
 Asn Pro Phe Leu Asn Gly Glu Val Ile Arg Leu Asp Gly Ala Ile Arg
 210 215 220
 Met Gln Pro
 225

<210> 246
 <211> 29
 <212> PRT
 <213> Homo sapiens

<400> 246

Ser Val Ala Ala Phe Glu Gly Gln Val Gly Gln Ala Ala Tyr Ser Ala
 1 5 10 15

Ser Lys Gly Gly Ile Val Gly Met Thr Leu Pro Ile Ala
 20 25

<210> 247

<211> 29

<212> PRT

<213> Homo sapiens

<400> 247

Ser Val Ala Ala Phe Glu Gly Gln Val Gly Gln Ala Ala Tyr Ser Ala
 1 5 10 15

Ser Lys Gly Gly Ile Val Gly Met Thr Leu Pro Ile Ala
 20 25

<210> 248

<211> 22

<212> PRT

<213> Homo sapiens

<400> 248

His Pro Ile Glu Trp Ala Ile Asn Ala Ala Thr Leu Ser Gln Phe Tyr
 1 5 10 15

Ile Asn Lys Leu Cys Phe
 20

<210> 249

<211> 22

<212> PRT

<213> Homo sapiens

<400> 249

Cys Trp Ile Lys Tyr Cys Leu Thr Leu Met Gln Asn Ala Gln Leu Ser
 1 5 10 15

Met Gln Asp Asn Ile Gly
 20

<210> 250

<211> 25

<212> PRT

<213> Homo sapiens

<400> 250

Lys Val Ser Tyr Leu Arg Pro Leu Asp Phe Glu Glu Ala Arg Glu Leu
 1 5 10 15

Phe Leu Leu Gly Gln His Tyr Val Phe
 20 25

<210> 251

<211> 25

<212> PRT
 <213> Homo sapiens

<220>
 <221> MISC_FEATURE
 <222> (11)
 <223> Xaa equals any of the L-amino acids commonly found in naturally occurring proteins

<400> 251
 Met Glu Arg Arg Cys Lys Met His Lys Arg Xaa Ile Ala Met Leu Glu
 1 5 10 15
 Pro Leu Thr Val Asp Leu Asn Pro Gln
 20 25

<210> 252
 <211> 23
 <212> PRT
 <213> Homo sapiens

<400> 252
 Ser His Ile Val Lys Lys Ile Asn Asn Leu Asn Lys Ser Ala Leu Lys
 1 5 10 15
 Tyr Tyr Gln Leu Phe Leu Asp
 20

<210> 253
 <211> 64
 <212> PRT
 <213> Homo sapiens

<400> 253
 Phe Thr His Leu Ser Thr Cys Leu Leu Ser Leu Leu Leu Val Arg Met
 1 5 10 15
 Ser Gly Phe Leu Leu Leu Ala Arg Ala Ser Pro Ser Ile Cys Ala Leu
 20 25 30
 Asp Ser Ser Cys Phe Val Gln Glu Tyr Cys Ser Ser Tyr Ser Ser Ser
 35 40 45
 Cys Phe Leu His Gln His Phe Pro Ser Leu Leu Asp His Leu Cys Gln
 50 55 60

<210> 254
 <211> 23
 <212> PRT
 <213> Homo sapiens

<400> 254
 Phe Leu Leu Leu Ala Arg Ala Ser Pro Ser Ile Cys Ala Leu Asp Ser
 1 5 10 15
 Ser Cys Phe Val Gln Glu Tyr

20

<210> 255
 <211> 53
 <212> PRT
 <213> Homo sapiens

<400> 255
 Pro Asp Gly Arg Val Thr Asn Ile Pro Gln Gly Met Val Thr Asp Gln
 1 5 10 15
 Phe Gly Met Ile Gly Leu Leu Thr Phe Ile Arg Ala Ala Glu Thr Asp
 20 25 30
 Pro Gly Met Val His Leu Ala Leu Gly Ser Asp Leu Thr Thr Leu Gly
 35 40 45
 Leu Asn Leu Asn Ser
 50

<210> 256
 <211> 41
 <212> PRT
 <213> Homo sapiens

<400> 256
 Glu Asp Leu Leu Phe Tyr Leu Tyr Tyr Met Asn Gly Gly Asp Val Leu
 1 5 10 15
 Gln Leu Leu Ala Ala Val Glu Leu Phe Asn Arg Asp Trp Arg Tyr His
 20 25 30
 Lys Glu Glu Arg Val Trp Ile Thr Arg
 35 40

<210> 257
 <211> 24
 <212> PRT
 <213> Homo sapiens

<400> 257
 Val His Leu Ala Leu Gly Ser Asp Leu Thr Thr Leu Gly Leu Asn Leu
 1 5 10 15
 Asn Ser Pro Glu Asn Leu Tyr Pro
 20

<210> 258
 <211> 41
 <212> PRT
 <213> Homo sapiens

<400> 258
 Glu Asp Leu Leu Phe Tyr Leu Tyr Tyr Met Asn Gly Gly Asp Val Leu
 1 5 10 15
 Gln Leu Leu Ala Ala Val Glu Leu Phe Asn Arg Asp Trp Arg Tyr His
 20 25 30

Lys Glu Glu Arg Val Trp Ile Thr Arg
35 40

<210> 259
<211> 11
<212> PRT
<213> Homo sapiens

<400> 259
His Asn Glu Asp Phe Pro Ala Leu Pro Gly Ser
1 5 10

<210> 260
<211> 75
<212> PRT
<213> Homo sapiens

<400> 260
Gly Arg Ile Ile Asp Thr Ser Leu Thr Arg Asp Pro Leu Val Ile Glu
1 5 10 15
Leu Gly Gln Lys Gln Val Ile Pro Gly Leu Glu Gln Ser Leu Leu Asp
20 25 30
Met Cys Val Gly Glu Lys Arg Arg Ala Ile Ile Pro Ser His Leu Ala
35 40 45
Tyr Gly Lys Arg Gly Phe Pro Pro Ser Val Pro Ala Asp Ala Val Val
50 55 60
Gln Tyr Asp Val Glu Leu Ile Ala Leu Ile Arg
65 70 75

<210> 261
<211> 16
<212> PRT
<213> Homo sapiens

<400> 261
Ile His Tyr Thr Gly Ser Leu Val Asp Gly Arg Ile Ile Asp Thr Ser
1 5 10 15

<210> 262
<211> 20
<212> PRT
<213> Homo sapiens

<400> 262
Cys Glu Ser Pro Glu Ser Pro Ala Gln Pro Ser Gly Ser Ser Leu Pro
1 5 10 15

Ala Trp Tyr His
20

<210> 263
 <211> 95
 <212> PRT
 <213> Homo sapiens

<400> 263
 Glu Glu Ala Gly Ala Gly Arg Arg Cys Ser His Gly Gly Ala Arg Pro
 1 5 10 15
 Ala Gly Leu Gly Asn Glu Gly Leu Gly Leu Gly Gly Asp Pro Asp His
 20 25 30
 Thr Asp Thr Gly Ser Arg Ser Lys Gln Arg Ile Asn Asn Trp Lys Glu
 35 40 45
 Ser Lys His Lys Val Ile Met Ala Ser Ala Ser Ala Arg Gly Asn Gln
 50 55 60
 Asp Lys Asp Ala His Phe Pro Pro Pro Ser Lys Gln Ser Leu Leu Phe
 65 70 75 80
 Cys Pro Lys Ser Lys Leu His Ile His Arg Ala Glu Ile Ser Lys
 85 90 95

<210> 264
 <211> 23
 <212> PRT
 <213> Homo sapiens

<400> 264
 Ser Lys Gln Arg Ile Asn Asn Trp Lys Glu Ser Lys His Lys Val Ile
 1 5 10 15
 Met Ala Ser Ala Ser Ala Arg
 20

<210> 265
 <211> 32
 <212> PRT
 <213> Homo sapiens

<220>
 <221> MISC_FEATURE
 <222> (20)
 <223> Xaa equals any of the L-amino acids commonly found in naturally
 occurring proteins

<400> 265
 Leu Phe His Trp Ala Cys Leu Asn Glu Arg Ala Ala Gln Leu Pro Arg
 1 5 10 15
 Asn Thr Ala Xaa Ala Gly Tyr Gln Cys Pro Ser Cys Asn Gly Pro Ser
 20 25 30

<210> 266
 <211> 185

<212> PRT
 <213> Homo sapiens

<400> 266

Phe	Tyr	Ile	Tyr	Tyr	Arg	Pro	Thr	Asp	Ser	Asp	Asn	Asp	Ser	Asp	Tyr
1				5					10					15	
Lys	Lys	Asp	Met	Val	Glu	Gly	Asp	Lys	Tyr	Trp	His	Ser	Ile	Ser	His
		20						25					30		
Leu	Gln	Pro	Glu	Thr	Ser	Tyr	Asp	Ile	Lys	Met	Gln	Cys	Phe	Asn	Glu
		35					40					45			
Gly	Gly	Glu	Ser	Glu	Phe	Ser	Asn	Val	Met	Ile	Cys	Glu	Thr	Lys	Ala
	50					55					60				
Arg	Lys	Ser	Ser	Gly	Gln	Pro	Gly	Arg	Leu	Pro	Pro	Pro	Thr	Leu	Ala
65					70					75					80
Pro	Pro	Gln	Pro	Pro	Leu	Pro	Glu	Thr	Ile	Glu	Arg	Pro	Val	Gly	Thr
				85					90					95	
Gly	Ala	Met	Val	Ala	Arg	Ser	Ser	Asp	Leu	Pro	Tyr	Leu	Ile	Val	Gly
			100					105					110		
Val	Val	Leu	Gly	Ser	Ile	Val	Leu	Ile	Ile	Val	Thr	Phe	Ile	Pro	Phe
		115					120					125			
Cys	Leu	Trp	Arg	Ala	Trp	Ser	Lys	Gln	Lys	His	Thr	Thr	Asp	Leu	Gly
	130					135					140				
Phe	Pro	Arg	Ser	Ala	Leu	Pro	Pro	Ser	Cys	Pro	Tyr	Thr	Met	Val	Pro
145					150					155					160
Leu	Gly	Gly	Leu	Pro	Gly	His	Gln	Ala	Val	Asp	Ser	Pro	Thr	Ser	Val
				165					170					175	
Ala	Ser	Val	Asp	Gly	Pro	Val	Leu	Met							
			180					185							

<210> 267
 <211> 66
 <212> PRT
 <213> Homo sapiens

<400> 267

Tyr	Ile	Tyr	Tyr	Arg	Pro	Thr	Asp	Ser	Asp	Asn	Asp	Ser	Asp	Tyr	Lys
1				5					10					15	
Lys	Asp	Met	Val	Glu	Gly	Asp	Lys	Tyr	Trp	His	Ser	Ile	Ser	His	Leu
		20						25					30		
Gln	Pro	Glu	Thr	Ser	Tyr	Asp	Ile	Lys	Met	Gln	Cys	Phe	Asn	Glu	Gly
		35					40					45			
Gly	Glu	Ser	Glu	Phe	Ser	Asn	Val	Met	Ile	Cys	Glu	Thr	Lys	Ala	Arg
	50					55					60				
Lys	Ser														
65															

<210> 268

<211> 30
 <212> PRT
 <213> Homo sapiens

<400> 268
 Asn Val Arg Ala Leu Leu His Arg Met Pro Glu Pro Pro Lys Ile Asn
 1 5 10 15
 Thr Ala Lys Phe Asn Asn Asn Lys Arg Lys Asn Leu Ser Leu
 20 25 30

<210> 269
 <211> 185
 <212> PRT
 <213> Homo sapiens

<400> 269
 Asn Thr Asn Gln Arg Glu Ala Leu Gln Tyr Ala Lys Asn Phe Gln Pro
 1 5 10 15
 Phe Ala Leu Asn His Gln Lys Asp Ile Gln Val Leu Met Gly Ser Leu
 20 25 30
 Val Tyr Leu Arg Gln Gly Ile Glu Asn Ser Pro Tyr Val His Leu Leu
 35 40 45
 Asp Ala Asn Gln Trp Ala Asp Ile Cys Asp Ile Phe Thr Arg Asp Ala
 50 55 60
 Cys Ala Leu Leu Gly Leu Ser Val Glu Ser Pro Leu Ser Val Ser Phe
 65 70 75 80
 Ser Ala Gly Cys Val Ala Leu Pro Ala Leu Ile Asn Ile Lys Ala Val
 85 90 95
 Ile Glu Gln Arg Gln Cys Thr Gly Val Trp Asn Gln Lys Asp Glu Leu
 100 105 110
 Pro Ile Glu Val Asp Leu Gly Lys Lys Cys Trp Tyr His Ser Ile Phe
 115 120 125
 Ala Cys Pro Ile Leu Arg Gln Gln Thr Thr Asp Asn Asn Pro Pro Met
 130 135 140
 Lys Leu Val Cys Gly His Ile Ile Ser Arg Asp Ala Leu Asn Lys Met
 145 150 155 160
 Phe Asn Gly Ser Lys Leu Lys Cys Pro Tyr Cys Pro Met Glu Gln Ser
 165 170 175
 Pro Gly Asp Ala Lys Gln Ile Phe Phe
 180 185

<210> 270
 <211> 65
 <212> PRT
 <213> Homo sapiens

<400> 270
 Ser Tyr Leu Ser Ala Cys Phe Ala Gly Cys Asn Ser Thr Asn Leu Thr
 1 5 10 15

Gly Cys Ala Cys Leu Thr Thr Val Pro Ala Glu Asn Ala Thr Val Val
 20 25 30
 Pro Gly Lys Cys Pro Ser Pro Gly Cys Gln Glu Ala Phe Leu Thr Phe
 35 40 45
 Leu Cys Val Met Cys Ile Cys Ser Leu Ile Gly Ala Met Ala Arg His
 50 55 60

Pro
 65

<210> 271
 <211> 84
 <212> PRT
 <213> Homo sapiens

<400> 271
 Pro Ser Val Ile Ile Leu Ile Arg Thr Val Ser Pro Glu Leu Lys Ser
 1 5 10 15
 Tyr Ala Leu Gly Val Leu Phe Leu Leu Leu Arg Leu Leu Gly Phe Ile
 20 25 30
 Pro Pro Pro Leu Ile Phe Gly Ala Gly Ile Asp Ser Thr Cys Leu Phe
 35 40 45
 Trp Ser Thr Phe Cys Gly Glu Gln Gly Ala Cys Val Leu Tyr Asp Asn
 50 55 60
 Val Val Tyr Arg Tyr Leu Tyr Val Ser Ile Ala Ile Ala Leu Lys Ser
 65 70 75 80
 Phe Ala Phe Ile

<210> 272
 <211> 182
 <212> PRT
 <213> Homo sapiens

<220>
 <221> MISC_FEATURE
 <222> (29)
 <223> Xaa equals any of the L-amino acids commonly found in naturally
 occurring proteins

<220>
 <221> MISC_FEATURE
 <222> (30)
 <223> Xaa equals any of the L-amino acids commonly found in naturally
 occurring proteins

<400> 272
 Gln Ser Leu Phe Thr Arg Phe Val Arg Val Gly Val Pro Thr Val Asp
 1 5 10 15
 Leu Asp Ala Gln Gly Arg Ala Arg Ala Ser Leu Cys Xaa Xaa Tyr Asn
 20 25 30
 Trp Arg Tyr Lys Asn Leu Gly Asn Leu Pro His Val Gln Leu Leu Pro

35	40	45
Glu Phe Ser Thr Ala Asn Ala Gly Leu Leu Tyr Asp Phe Gln Leu Ile		
50	55	60
Asn Val Glu Asp Phe Gln Gly Val Gly Glu Ser Glu Pro Asn Pro Tyr		
65	70	75
Phe Tyr Gln Asn Leu Gly Glu Ala Glu Tyr Val Val Ala Leu Phe Met		
	85	90
Tyr Met Cys Leu Leu Gly Tyr Pro Ala Asp Lys Ile Ser Ile Leu Thr		
	100	105
Thr Tyr Asn Gly Gln Lys His Leu Ile Arg Asp Ile Ile Asn Arg Arg		
	115	120
Cys Gly Asn Asn Pro Leu Ile Gly Arg Pro Asn Lys Val Thr Thr Val		
	130	135
Asp Arg Phe Gln Gly Gln Gln Asn Asp Tyr Ile Leu Leu Ser Leu Val		
	145	150
Arg Thr Arg Ala Val Gly His Leu Arg Asp Val Arg Arg Leu Val Val		
	165	170
Ala Met Ser Arg Ala Arg		
	180	

<210> 273
 <211> 77
 <212> PRT
 <213> Homo sapiens

<400> 273
 Leu Val Lys Glu Ala Lys Ile Ile Ala Met Thr Cys Thr His Ala Ala
 1 5 10 15
 Leu Lys Arg His Asp Leu Val Lys Leu Gly Phe Lys Tyr Asp Asn Ile
 20 25 30
 Leu Met Glu Glu Ala Ala Gln Ile Leu Glu Ile Glu Thr Phe Ile Pro
 35 40 45
 Leu Leu Leu Gln Asn Pro Gln Asp Gly Phe Ser Arg Leu Lys Arg Trp
 50 55 60
 Ile Met Ile Gly Asp His His Gln Leu Pro Pro Val Ile
 65 70 75

<210> 274
 <211> 125
 <212> PRT
 <213> Homo sapiens

<220>
 <221> MISC_FEATURE
 <222> (16)
 <223> Xaa equals any of the L-amino acids commonly found in naturally occurring proteins

<220>
 <221> MISC_FEATURE

<222> (17)

<223> Xaa equals any of the L-amino acids commonly found in naturally occurring proteins

<220>

<221> MISC_FEATURE

<222> (43)

<223> Xaa equals any of the L-amino acids commonly found in naturally occurring proteins

<400> 274

Asp Thr Tyr Pro Asn Glu Glu Lys Gln Gln Glu Arg Val Phe Pro Xaa
1 5 10 15

Xaa Ser Ala Met Val Asn Asn Gly Ser Leu Ser Tyr Asp His Glu Arg
20 25 30

Asp Gly Arg Pro Thr Glu Leu Gly Gly Cys Xaa Ala Ile Val Arg Asn
35 40 45

Leu His Tyr Asp Thr Phe Leu Val Ile Arg Tyr Val Lys Arg His Leu
50 55 60

Thr Ile Met Met Asp Ile Asp Gly Lys His Glu Trp Arg Asp Cys Ile
65 70 75 80

Glu Val Pro Gly Val Arg Leu Pro Arg Gly Tyr Tyr Phe Gly Thr Ser
85 90 95

Ser Ile Thr Gly Asp Leu Ser Asp Asn His Asp Val Ile Ser Leu Lys
100 105 110

Leu Phe Glu Leu Thr Val Glu Arg Thr Pro Glu Glu Glu
115 120 125

<210> 275

<211> 85

<212> PRT

<213> Homo sapiens

<400> 275

Leu Lys Arg Glu His Ser Leu Ser Lys Pro Tyr Gln Gly Val Gly Thr
1 5 10 15

Gly Ser Ser Ser Leu Trp Asn Leu Met Gly Asn Ala Met Val Met Thr
20 25 30

Gln Tyr Ile Arg Leu Thr Pro Asp Met Gln Ser Lys Gln Gly Ala Leu
35 40 45

Trp Asn Arg Val Pro Cys Phe Leu Arg Asp Trp Glu Leu Gln Val His
50 55 60

Phe Lys Ile His Gly Gln Gly Lys Lys Asn Leu His Gly Asp Gly Leu
65 70 75 80

Ala Ile Trp Tyr Thr
85

<210> 276

<211> 32

<212> PRT

<213> Homo sapiens

<400> 276

Pro Gly Thr Leu Gln Cys Ser Ala Leu His His Asp Pro Gly Cys Ala
1 5 10 15

Asn Cys Ser Arg Phe Cys Arg Asp Cys Ser Pro Pro Ala Cys Gln Cys
20 25 30

<210> 277

<211> 27

<212> PRT

<213> Homo sapiens

<220>

<221> MISC_FEATURE

<222> (8)

<223> Xaa equals any of the L-amino acids commonly found in naturally occurring proteins

<400> 277

Phe Leu Tyr Asp Val Leu Met Xaa His Glu Ala Val Met Arg Thr His
1 5 10 15

Gln Ile Gln Leu Pro Asp Pro Glu Phe Pro Ser
20 25

<210> 278

<211> 92

<212> PRT

<213> Homo sapiens

<220>

<221> MISC_FEATURE

<222> (4)

<223> Xaa equals any of the L-amino acids commonly found in naturally occurring proteins

<400> 278

Pro Ala Asp Xaa Lys Pro Val Val Ser Thr Glu Ala Pro Pro Ile Ile
1 5 10 15

Phe Ala Thr Pro Thr Lys Leu Thr Ser Asp Ser Thr Val Tyr Asp Tyr
20 25 30

Ala Gly Lys Asn Lys Val Pro Glu Leu Gln Lys Phe Phe Gln Lys Ala
35 40 45

Asp Gly Val Pro Val Tyr Leu Lys Arg Gly Leu Pro Asp Gln Met Leu
50 55 60

Tyr Arg Thr Thr Met Ala Leu Thr Val Gly Gly Thr Ile Tyr Cys Leu
65 70 75 80

Ile Ala Leu Tyr Met Ala Ser Gln Pro Lys Asn Lys
85 90

<210> 279
 <211> 63
 <212> PRT
 <213> Homo sapiens

<220>
 <221> MISC_FEATURE
 <222> (45)
 <223> Xaa equals any of the L-amino acids commonly found in naturally occurring proteins

<400> 279
 Ser Phe Ser Gly Ala Val Ala Leu Ala Ala Asp Ala Gly Ser Arg Thr
 1 5 10 15
 Leu Gly Val Met Tyr Tyr Lys Phe Ser Gly Phe Thr Gln Lys Leu Ala
 20 25 30
 Gly Ala Trp Ala Ser Glu Ala Tyr Ser Pro Gln Ile Xaa Ser Leu Trp
 35 40 45
 Phe Pro Gln Lys His His Leu Ser Tyr Leu Pro His Gln Leu Asn
 50 55 60

<210> 280
 <211> 6
 <212> PRT
 <213> Homo sapiens

<400> 280
 Gly Trp Tyr Trp Cys Gly
 1 5

<210> 281
 <211> 129
 <212> PRT
 <213> Homo sapiens

<400> 281
 Met Lys Val Gly Ala Arg Ile Arg Val Lys Met Ser Val Asn Lys Ala
 1 5 10 15
 His Pro Val Val Ser Thr His Trp Arg Trp Pro Ala Glu Trp Pro Gln
 20 25 30
 Met Phe Leu His Leu Ala Gln Glu Pro Arg Thr Glu Val Lys Ser Arg
 35 40 45
 Pro Leu Gly Leu Ala Gly Phe Ile Arg Gln Asp Ser Lys Thr Arg Lys
 50 55 60
 Pro Leu Glu Gln Glu Thr Ile Met Ser Ala Ala Asp Thr Ala Leu Trp
 65 70 75 80
 Pro Tyr Gly His Gly Asn Arg Glu His Gln Glu Asn Glu Leu Gln Lys
 85 90 95
 Tyr Leu Gln Tyr Lys Asp Met His Leu Leu Asp Ser Gly Gln Ser Leu
 100 105 110
 Gly His Thr His Thr Leu Gln Gly Ser His Asn Leu Thr Ala Leu Asn

115

120

125

Ile

<210> 282
 <211> 49
 <212> PRT
 <213> Homo sapiens

<400> 282
 Ser Leu His Lys Asn Ser Val Ser Gln Ile Ser Val Leu Ser Gly Gly
 1 5 10 15
 Lys Ala Lys Cys Ser Gln Phe Cys Thr Thr Gly Met Asp Gly Gly Met
 20 25 30
 Ser Ile Trp Asp Val Lys Ser Leu Glu Ser Ala Leu Lys Asp Leu Lys
 35 40 45

Ile

<210> 283
 <211> 21
 <212> PRT
 <213> Homo sapiens

<400> 283
 Glu Ala Ser Lys Ser Ser His Ala Gly Leu Asp Leu Phe Ser Val Ala
 1 5 10 15
 Ala Cys His Arg Phe
 20

<210> 284
 <211> 21
 <212> PRT
 <213> Homo sapiens

<400> 284
 Tyr Met Gly Lys Gly Ser Met Thr Gly Leu Ala Leu Lys His Met Phe
 1 5 10 15
 Glu Arg Ser Phe Thr
 20

<210> 285
 <211> 27
 <212> PRT
 <213> Homo sapiens

<400> 285
 Val Thr Gly Ile Ile Asp Ser Leu Thr Ile Ser Pro Lys Ala Ala Arg
 1 5 10 15
 Val Gly Leu Leu Gln Tyr Ser Thr Gln Val His
 20 25

<210> 286
 <211> 24
 <212> PRT
 <213> Homo sapiens

<400> 286
 Thr Glu Phe Thr Leu Arg Asn Phe Asn Ser Ala Lys Asp Met Lys Lys
 1 5 10 15
 Ala Val Ala His Met Lys Tyr Met
 20

<210> 287
 <211> 27
 <212> PRT
 <213> Homo sapiens

<400> 287
 Gly Lys Gly Ser Met Thr Gly Leu Ala Leu Lys His Met Phe Glu Arg
 1 5 10 15
 Ser Phe Thr Gln Gly Glu Gly Ala Arg Pro Phe
 20 25

<210> 288
 <211> 44
 <212> PRT
 <213> Homo sapiens

<400> 288
 Ser Thr Arg Val Pro Arg Ala Ala Ile Val Phe Thr Asp Gly Arg Ala
 1 5 10 15
 Gln Asp Asp Val Ser Glu Trp Ala Ser Lys Ala Lys Ala Asn Gly Ile
 20 25 30
 Thr Met Tyr Ala Val Gly Val Gly Lys Ala Ile Glu
 35 40

<210> 289
 <211> 42
 <212> PRT
 <213> Homo sapiens

<400> 289
 Glu Glu Leu Gln Glu Ile Ala Ser Glu Pro Thr Asn Lys His Leu Phe
 1 5 10 15
 Tyr Ala Glu Asp Phe Ser Thr Met Asp Glu Ile Ser Glu Lys Leu Lys
 20 25 30
 Lys Gly Ile Cys Glu Ala Leu Glu Asp Ser
 35 40

<210> 290
 <211> 11

<212> PRT
 <213> Homo sapiens

<400> 290
 Thr Gln Arg Leu Glu Glu Met Thr Gln Arg Met
 1 5 10

<210> 291
 <211> 10
 <212> PRT
 <213> Homo sapiens

<400> 291
 Pro Gln Gly Cys Pro Glu Gln Pro Leu His
 1 5 10

<210> 292
 <211> 33
 <212> PRT
 <213> Homo sapiens

<400> 292
 Arg Cys Lys Lys Cys Thr Glu Gly Pro Ile Asp Leu Val Phe Val Ile
 1 5 10 15

Asp Gly Ser Lys Ser Leu Gly Glu Glu Asn Phe Glu Val Val Lys Gln
 20 25 30

Phe

<210> 293
 <211> 193
 <212> PRT
 <213> Homo sapiens

<220>
 <221> MISC_FEATURE
 <222> (35)
 <223> Xaa equals any of the L-amino acids commonly found in naturally occurring proteins

<400> 293
 Gly Trp Glu Thr Leu Pro Lys Lys Asp Val Cys Lys Ser Thr His His
 1 5 10 15

Gly Cys Glu His Ile Cys Val Asn Asn Gly Asn Ser Tyr Ile Cys Lys
 20 25 30

Cys Ser Xaa Gly Phe Val Leu Ala Glu Asp Gly Arg Arg Cys Lys Lys
 35 40 45

Cys Thr Glu Gly Pro Ile Asp Leu Val Phe Val Ile Asp Gly Ser Lys
 50 55 60

Ser Leu Gly Glu Glu Asn Phe Glu Val Val Lys Gln Phe Val Thr Gly
 65 70 75 80

Ile Ile Asp Ser Leu Thr Ile Ser Pro Lys Ala Ala Arg Val Gly Leu

85								90				95			
Leu	Gln	Tyr	Ser	Thr	Gln	Val	His	Thr	Glu	Phe	Thr	Leu	Arg	Asn	Phe
			100					105					110		
Asn	Ser	Ala	Lys	Asp	Met	Lys	Lys	Ala	Val	Ala	His	Met	Lys	Tyr	Met
		115					120					125			
Gly	Lys	Gly	Ser	Met	Thr	Gly	Leu	Ala	Leu	Lys	His	Met	Phe	Glu	Arg
	130					135					140				
Ser	Phe	Thr	Gln	Gly	Glu	Gly	Ala	Arg	Pro	Phe	Pro	Gln	Gly	Cys	Pro
145					150					155					160
Glu	Gln	Pro	Leu	Cys	Ser	Pro	Thr	Asp	Gly	Leu	Arg	Met	Thr	Ser	Pro
				165					170					175	
Ser	Gly	Pro	Val	Lys	Pro	Arg	Pro	Met	Val	Ser	Leu	Cys	Met	Leu	Leu
			180					185					190		

Gly

<210> 294
 <211> 193
 <212> PRT
 <213> Homo sapiens

<400> 294
 Lys Phe Tyr Pro Arg Arg Arg Gly Gln Ala Leu Ser Thr Arg Val Pro
 1 5 10 15
 Arg Ala Ala Ile Val Phe Thr Asp Gly Arg Ala Gln Asp Asp Val Ser
 20 25 30
 Glu Trp Ala Ser Lys Ala Lys Ala Asn Gly Ile Thr Met Tyr Ala Val
 35 40 45
 Gly Val Gly Lys Ala Ile Glu Glu Glu Leu Gln Glu Ile Ala Ser Glu
 50 55 60
 Pro Thr Asn Lys His Leu Phe Tyr Ala Glu Asp Phe Ser Thr Met Asp
 65 70 75 80
 Glu Ile Ser Glu Lys Leu Lys Lys Gly Ile Cys Glu Ala Leu Glu Asp
 85 90 95
 Ser Asp Gly Arg Gln Asp Ser Pro Ala Gly Glu Leu Pro Lys Thr Val
 100 105 110
 Gln Gln Pro Thr Val Gln His Arg Tyr Leu Phe Glu Glu Asp Asn Leu
 115 120 125
 Leu Arg Ser Thr Gln Lys Leu Ser His Ser Thr Lys Pro Ser Gly Ser
 130 135 140
 Pro Leu Glu Glu Lys His Asp Gln Cys Lys Cys Glu Asn Leu Ile Met
 145 150 155 160
 Phe Gln Asn Leu Ala Asn Glu Glu Val Arg Lys Leu Thr Gln Arg Leu
 165 170 175
 Glu Glu Met Thr Gln Arg Met Glu Ala Leu Glu Asn Arg Leu Arg Tyr
 180 185 190

Arg

<210> 295
 <211> 60
 <212> PRT
 <213> Homo sapiens

<400> 295
 Met Ala Ala Leu Leu Leu Arg His Val Gly Arg His Cys Leu Arg Ala
 1 5 10 15
 His Phe Ser Pro Gln Leu Cys Ile Arg Asn Ala Val Pro Leu Gly Thr
 20 25 30
 Thr Ala Lys Glu Glu Met Glu Arg Phe Trp Asn Lys Asn Ile Gly Sér
 35 40 45
 Asn Arg Pro Leu Ser Pro His Ile Thr Ile Tyr Ser
 50 55 60

<210> 296
 <211> 32
 <212> PRT
 <213> Homo sapiens

<400> 296
 Val Phe Pro Leu Met Tyr His Thr Trp Asn Gly Ile Arg His Leu Met
 1 5 10 15
 Trp Asp Leu Gly Lys Gly Leu Lys Ile Pro Gln Leu Tyr Gln Ser Gly
 20 25 30

<210> 297
 <211> 17
 <212> PRT
 <213> Homo sapiens

<400> 297
 Met Ala Ala Leu Leu Leu Arg His Val Gly Arg His Cys Leu Arg Ala
 1 5 10 15

His

<210> 298
 <211> 18
 <212> PRT
 <213> Homo sapiens

<400> 298
 Val Lys Ser Leu Cys Leu Gly Pro Ala Leu Ile His Thr Ala Lys Phe
 1 5 10 15

Ala Leu

<210> 299
 <211> 23
 <212> PRT
 <213> Homo sapiens

<400> 299
 Val Phe Pro Leu Met Tyr His Thr Trp Asn Gly Ile Arg His Leu Met
 1 5 10 15

Trp Asp Leu Gly Lys Gly Leu
 20

<210> 300
 <211> 22
 <212> PRT
 <213> Homo sapiens

<400> 300
 Arg Val Trp Asp Val Arg Pro Phe Ala Pro Lys Glu Arg Cys Val Lys
 1 5 10 15

Ile Phe Gln Gly Asn Val
 20

<210> 301
 <211> 30
 <212> PRT
 <213> Homo sapiens

<400> 301
 His Asn Phe Glu Lys Asn Leu Leu Arg Cys Ser Trp Ser Pro Asp Gly
 1 5 10 15

Ser Lys Ile Ala Ala Gly Ser Ala Asp Arg Phe Val Tyr Val
 20 25 30

<210> 302
 <211> 30
 <212> PRT
 <213> Homo sapiens

<400> 302
 Trp Asp Thr Thr Ser Arg Arg Ile Leu Tyr Lys Leu Pro Gly His Ala
 1 5 10 15

Gly Ser Ile Asn Glu Val Ala Phe His Pro Asp Glu Pro Ile
 20 25 30

<210> 303
 <211> 141
 <212> PRT
 <213> Homo sapiens

<400> 303

Tyr Gln Gly Leu Gly Leu Arg Gln Asn Lys Leu Thr Tyr Thr Met Arg
 1 5 10 15

Gly His Ala Asp Ser Val Thr Gly Leu Ser Leu Ser Ser Glu Gly Ser
 20 25 30

Tyr Leu Leu Ser Asn Ala Met Asp Asn Thr Val Arg Val Trp Asp Val
 35 40 45

Arg Pro Phe Ala Pro Lys Glu Arg Cys Val Lys Ile Phe Gln Gly Asn
 50 55 60

Val His Asn Phe Glu Lys Asn Leu Leu Arg Cys Ser Trp Ser Pro Asp
 65 70 75 80

Gly Ser Lys Ile Ala Ala Gly Ser Ala Asp Arg Phe Val Tyr Val Trp
 85 90 95

Asp Thr Thr Ser Arg Arg Ile Leu Tyr Lys Leu Pro Gly His Ala Gly
 100 105 110

Ser Ile Asn Glu Val Ala Phe His Pro Asp Glu Pro Ile Ile Ile Ser
 115 120 125

Ala Ser Ser Asp Lys Arg Leu Tyr Met Gly Glu Ile Gln
 130 135 140

<210> 304

<211> 45

<212> PRT

<213> Homo sapiens

<400> 304

Arg Lys Lys Ala Ala Ile Gln Thr Phe Gln Asn Thr Tyr Gln Val Leu
 1 5 10 15

Ala Val Thr Phe Asn Asp Thr Ser Asp Gln Ile Ile Ser Gly Gly Ile
 20 25 30

Asp Asn Asp Ile Lys Val Trp Asp Cys Ala Arg Thr Ser
 35 40 45

<210> 305

<211> 20

<212> PRT

<213> Homo sapiens

<400> 305

Val Arg Gly Arg Thr Val Leu Arg Pro Gly Leu Asp Ala Glu Pro Glu
 1 5 10 15

Leu Ser Pro Glu
 20

<210> 306

<211> 19

<212> PRT

<213> Homo sapiens

<400> 306

Glu	Gln	Arg	Val	Leu	Glu	Arg	Lys	Leu	Lys	Lys	Glu	Arg	Lys	Lys	Glu
1				5					10					15	

Glu Arg Gln

<210> 307

<211> 13

<212> PRT

<213> Homo sapiens

<400> 307

Arg	Leu	Arg	Glu	Ala	Gly	Leu	Val	Ala	Gln	His	Pro	Pro
1				5					10			

<210> 308

<211> 17

<212> PRT

<213> Homo sapiens

<400> 308

Gly	Arg	Ile	Pro	Ala	Pro	Ala	Pro	Ser	Val	Pro	Ala	Gly	Pro	Asp	Ser
1				5					10					15	

Arg

<210> 309

<211> 61

<212> PRT

<213> Homo sapiens

<400> 309

Ala	Arg	Arg	Ser	Gly	Ala	Glu	Leu	Ala	Trp	Asp	Tyr	Leu	Cys	Arg	Trp
1				5					10					15	

Ala	Gln	Lys	His	Lys	Asn	Trp	Arg	Phe	Gln	Lys	Thr	Arg	Gln	Thr	Trp
			20					25					30		

Leu	Leu	Leu	His	Met	Tyr	Asp	Ser	Asp	Lys	Val	Pro	Asp	Glu	His	Phe
		35					40					45			

Ser	Thr	Leu	Leu	Ala	Tyr	Leu	Glu	Gly	Leu	Gln	Gly	Arg
	50					55					60	

<210> 310

<211> 42

<212> PRT

<213> Homo sapiens

<400> 310

Thr	Gly	Cys	Val	Leu	Val	Leu	Ser	Arg	Asn	Phe	Val	Gln	Tyr	Ala	Cys
1				5					10					15	

Phe	Gly	Leu	Phe	Gly	Ile	Ile	Ala	Leu	Gln	Thr	Ile	Ala	Tyr	Ser	Ile
			20					25					30		

Leu Trp Asp Leu Lys Phe Leu Met Arg Asn
 35 40

<210> 311
 <211> 55
 <212> PRT
 <213> Homo sapiens

<400> 311
 Ser Arg Ser Glu Gly Lys Ser Met Phe Ala Gly Val Pro Thr Met Arg
 1 5 10 15
 Glu Ser Ser Pro Lys Gln Tyr Met Gln Leu Gly Gly Arg Val Leu Leu
 20 25 30
 Val Leu Met Phe Met Thr Leu Leu His Phe Asp Ala Ser Phe Phe Ser
 35 40 45
 Ile Val Gln Asn Ile Val Gly
 50 55

<210> 312
 <211> 60
 <212> PRT
 <213> Homo sapiens

<400> 312
 Gly Thr Ala Glu Asp Phe Ala Asp Gln Phe Leu Arg Val Thr Lys Gln
 1 5 10 15
 Tyr Leu Pro His Val Ala Arg Leu Cys Leu Ile Ser Thr Phe Leu Glu
 20 25 30
 Asp Gly Ile Arg Met Trp Phe Gln Trp Ser Glu Gln Arg Asp Tyr Ile
 35 40 45
 Asp Thr Thr Trp Asn Cys Gly Tyr Leu Leu Ala Ser
 50 55 60

<210> 313
 <211> 17
 <212> PRT
 <213> Homo sapiens

<400> 313
 Ala Ser Phe Leu Leu Ser Arg Thr Ser Trp Gly Thr Ala Leu Met Ile
 1 5 10 15
 Leu

<210> 314
 <211> 8
 <212> PRT
 <213> Homo sapiens

<400> 314
 Leu Met Arg Asn Glu Ser Arg Ser

1

5

<210> 315
 <211> 13
 <212> PRT
 <213> Homo sapiens

<400> 315
 Ala Ser Phe Leu Leu Ser Arg Thr Ser Trp Gly Thr Ala
 1 5 10

<210> 316
 <211> 17
 <212> PRT
 <213> Homo sapiens

<400> 316
 Ala Ser Phe Leu Leu Ser Arg Thr Ser Trp Gly Thr Ala Leu Met Ile
 1 5 10 15

Leu

<210> 317
 <211> 72
 <212> PRT
 <213> Homo sapiens

<400> 317
 Pro Ser Phe Thr Leu Thr Pro Ala Ser Phe Leu Leu Ser Arg Thr Ser
 1 5 10 15

Trp Gly Thr Ala Leu Met Ile Leu Val Ala Ile Gly Phe Lys Thr Lys
 20 25 30

Leu Ala Ala Leu Thr Leu Val Val Trp Leu Phe Ala Ile Asn Val Tyr
 35 40 45

Phe Asn Ala Phe Trp Thr Ile Pro Val Tyr Lys Pro Met His Asp Phe
 50 55 60

Leu Lys Tyr Asp Phe Phe Gln Thr
 65 70

<210> 318
 <211> 236
 <212> PRT
 <213> Homo sapiens

<220>
 <221> MISC_FEATURE
 <222> (115)
 <223> Xaa equals any of the L-amino acids commonly found in naturally
 occurring proteins

<400> 318
 Arg Thr Glu Pro Pro Pro Gly Thr Ser Cys Gly Gly Arg Ser Gly Cys
 1 5 10 15

Gly Arg Arg Arg Ala Arg Ala Ser Glu Arg Ala Ser Glu Pro Ser Arg
 20 25 30
 Ala Ser Arg Arg Arg His Gly Pro Glu Arg Pro Asp Gly His Gly Arg
 35 40 45
 Gly Leu Arg Arg Pro Val Pro Pro Cys His Lys Ala Val Pro Ala Pro
 50 55 60
 Arg Gly Ala Pro Leu Ser Asp Gln His Leu Pro Gly Gly Arg His Pro
 65 70 75 80
 Tyr Val Val Pro Val Glu Arg Ala Ala Arg Leu His Arg His His Leu
 85 90 95
 Glu Leu Arg Leu Pro Ala Gly Leu Val Leu Arg Leu Pro Gln Leu Ala
 100 105 110
 Gly Thr Xaa Thr Gly Cys Val Leu Val Leu Ser Arg Asn Phe Val Gln
 115 120 125
 Tyr Ala Cys Phe Gly Leu Phe Gly Ile Ile Ala Leu Gln Thr Ile Ala
 130 135 140
 Tyr Ser Ile Leu Trp Asp Leu Lys Phe Leu Met Arg Asn Leu Ala Leu
 145 150 155 160
 Gly Gly Gly Leu Leu Leu Leu Leu Ala Glu Ser Arg Ser Glu Gly Lys
 165 170 175
 Ser Met Phe Ala Gly Val Pro Thr Met Arg Glu Ser Ser Pro Lys Gln
 180 185 190
 Tyr Met Gln Leu Gly Gly Arg Val Leu Leu Val Leu Met Phe Met Thr
 195 200 205
 Leu Leu His Phe Asp Ala Ser Phe Phe Ser Ile Val Gln Asn Ile Val
 210 215 220
 Gly His Ser Ser Asp Asp Phe Ser Gly His Trp Phe
 225 230 235

<210> 319
 <211> 114
 <212> PRT
 <213> Homo sapiens

<220>
 <221> MISC_FEATURE
 <222> (2)
 <223> Xaa equals any of the L-amino acids commonly found in naturally
 occurring proteins

<220>
 <221> MISC_FEATURE
 <222> (114)
 <223> Xaa equals any of the L-amino acids commonly found in naturally
 occurring proteins

<400> 319
 Gly Xaa Ser Arg Arg Arg Ala Leu Pro Val Glu Ala Ala Ala Gly Ala
 1 5 10 15

Gly Ala Asp Gly Arg Glu Pro Ala Ser Glu Arg Ala Ser Arg Ala Glu
 20 25 30
 Pro Pro Ala Val Ala Met Gly Gln Asn Asp Leu Met Gly Thr Ala Glu
 35 40 45
 Asp Phe Ala Asp Gln Phe Leu Arg Val Thr Lys Gln Tyr Leu Pro His
 50 55 60
 Val Ala Arg Leu Cys Leu Ile Ser Thr Phe Leu Glu Asp Gly Ile Arg
 65 70 75 80
 Met Trp Phe Gln Trp Ser Glu Gln Arg Asp Tyr Ile Asp Thr Thr Trp
 85 90 95
 Asn Cys Gly Tyr Leu Leu Ala Ser Ser Phe Val Phe Leu Asn Leu Leu
 100 105 110

Gly Xaa

<210> 320
 <211> 63
 <212> PRT
 <213> Homo sapiens

<400> 320
 Trp Val Phe Leu Phe Leu Leu Ala Leu Gly Gly Leu Gly Pro Asp Ser
 1 5 10 15
 Gly Arg Cys Leu Cys Arg Glu Gly Arg Ile Ser Gly Ile Tyr Gln Leu
 20 25 30
 Ile Leu Ala Lys Gln Phe Leu Arg Phe Phe Cys Phe Met Trp Glu Thr
 35 40 45
 Asp Leu Asn Leu Ile Leu Cys Cys Ile Leu Tyr Leu Ser Cys Val
 50 55 60

<210> 321
 <211> 106
 <212> PRT
 <213> Homo sapiens

<400> 321
 Ser Met Ser Ala Leu Thr Arg Leu Ala Ser Phe Ala Arg Val Gly Gly
 1 5 10 15
 Arg Leu Phe Arg Ser Gly Cys Ala Arg Thr Ala Gly Asp Gly Gly Val
 20 25 30
 Arg His Ala Gly Gly Gly Val His Ile Glu Pro Arg Tyr Arg Gln Phe
 35 40 45
 Pro Gln Leu Thr Arg Ser Gln Val Phe Gln Ser Glu Phe Phe Ser Gly
 50 55 60
 Leu Met Trp Phe Trp Ile Leu Trp Arg Phe Trp His Asp Ser Glu Glu
 65 70 75 80
 Val Leu Gly His Phe Pro Tyr Pro Asp Pro Ser Gln Trp Thr Asp Glu
 85 90 95

Glu Leu Gly Ile Pro Pro Asp Asp Glu Asp
100 105

<210> 322
<211> 20
<212> PRT
<213> Homo sapiens

<400> 322
Phe Ile Ser Phe Ala Asn Ser Arg Ser Ser Glu Asp Thr Lys Gln Met
1 5 10 15

Met Ser Ser Phe
20

<210> 323
<211> 27
<212> PRT
<213> Homo sapiens

<400> 323
Asp Pro Arg Arg Pro Asn Lys Val Leu Arg Tyr Lys Pro Pro Pro Ser
1 5 10 15

Glu Cys Asn Pro Ala Leu Asp Asp Pro Thr Pro
20 25

<210> 324
<211> 30
<212> PRT
<213> Homo sapiens

<400> 324
Asp Tyr Met Asn Leu Leu Gly Met Ile Phe Ser Met Cys Gly Leu Met
1 5 10 15

Leu Lys Leu Lys Trp Cys Ala Trp Val Ala Val Tyr Cys Ser
20 25 30

<210> 325
<211> 22
<212> PRT
<213> Homo sapiens

<400> 325
Met Leu Ser Ile Ser Ala Val Val Met Ser Tyr Leu Gln Asn Pro Gln
1 5 10 15

Pro Met Thr Pro Pro Trp
20

<210> 326
<211> 52
<212> PRT
<213> Homo sapiens

<220>

<221> MISC_FEATURE

<222> (35)

<223> Xaa equals any of the L-amino acids commonly found in naturally occurring proteins

<400> 326

Ala Ala Gly Asp Gly Asp Val Lys Leu Gly Thr Leu Gly Ser Gly Ser
1 5 10 15Glu Ser Ser Asn Asp Gly Gly Ser Glu Ser Pro Gly Asp Ala Gly Ala
20 25 30Ala Ala Xaa Gly Gly Gly Trp Ala Ala Ala Ala Leu Ala Leu Leu Thr
35 40 45Gly Gly Gly Glu
50

<210> 327

<211> 62

<212> PRT

<213> Homo sapiens

<220>

<221> MISC_FEATURE

<222> (45)

<223> Xaa equals any of the L-amino acids commonly found in naturally occurring proteins

<400> 327

Ser Thr His Ala Ser Gly Arg Ala Val Met Ala Ala Gly Asp Gly Asp
1 5 10 15Val Lys Leu Gly Thr Leu Gly Ser Gly Ser Glu Ser Ser Asn Asp Gly
20 25 30Gly Ser Glu Ser Pro Gly Asp Ala Gly Ala Ala Ala Xaa Gly Gly Gly
35 40 45Trp Ala Ala Ala Ala Leu Ala Leu Leu Thr Gly Gly Gly Glu
50 55 60

<210> 328

<211> 177

<212> PRT

<213> Homo sapiens

<220>

<221> MISC_FEATURE

<222> (26)

<223> Xaa equals any of the L-amino acids commonly found in naturally occurring proteins

<220>

<221> MISC_FEATURE

<222> (84)

<223> Xaa equals any of the L-amino acids commonly found in naturally occurring proteins

<220>

<221> MISC_FEATURE

<222> (111)

<223> Xaa equals any of the L-amino acids commonly found in naturally occurring proteins

<400> 328

Ala	Ala	Asp	Asn	Tyr	Gly	Ile	Pro	Arg	Ala	Cys	Arg	Asn	Ser	Ala	Arg
1				5					10					15	

Ser	Tyr	Gly	Ala	Ala	Trp	Leu	Leu	Leu	Xaa	Pro	Ala	Gly	Ser	Ser	Arg
			20					25					30		

Val	Glu	Pro	Thr	Gln	Asp	Ile	Ser	Ile	Ser	Asp	Gln	Leu	Gly	Gly	Gln
		35					40					45			

Asp	Val	Pro	Val	Phe	Arg	Asn	Leu	Ser	Leu	Leu	Val	Val	Gly	Val	Gly
	50					55					60				

Ala	Val	Phe	Ser	Leu	Leu	Phe	His	Leu	Gly	Thr	Arg	Glu	Arg	Arg	Arg
65					70					75					80

Pro	His	Ala	Xaa	Glu	Pro	Gly	Glu	His	Thr	Pro	Leu	Leu	Ala	Pro	Ala
			85						90					95	

Thr	Ala	Gln	Pro	Leu	Leu	Leu	Trp	Lys	His	Trp	Leu	Arg	Glu	Xaa	Ala
			100					105						110	

Phe	Tyr	Gln	Val	Gly	Ile	Leu	Tyr	Met	Thr	Thr	Arg	Leu	Ile	Val	Asn
		115					120					125			

Leu	Ser	Gln	Thr	Tyr	Met	Ala	Met	Tyr	Leu	Thr	Tyr	Ser	Leu	His	Leu
	130					135					140				

Pro	Lys	Lys	Phe	Ile	Ala	Thr	Ile	Pro	Leu	Val	Met	Tyr	Leu	Ser	Gly
145					150					155					160

Phe	Leu	Ser	Ser	Phe	Leu	Met	Lys	Pro	Ile	Asn	Lys	Cys	Ile	Gly	Arg
				165					170					175	

Asn

<210> 329

<211> 79

<212> PRT

<213> Homo sapiens

<220>

<221> MISC_FEATURE

<222> (7)

<223> Xaa equals any of the L-amino acids commonly found in naturally occurring proteins

<400> 329

Cys	Thr	Leu	Ala	Met	Trp	Xaa	Leu	Gly	His	Cys	Asp	Pro	Arg	Arg	Cys
1				5					10					15	

Thr	Gly	Arg	Lys	Leu	Ala	Arg	Leu	Gly	Leu	Val	Arg	Cys	Leu	Arg	Leu
			20					25					30		

Gly	His	Arg	Phe	Gly	Gly	Leu	Val	Leu	Ser	Pro	Val	Gly	Lys	Gln	Tyr
		35				40						45			

Ala	Ser	Pro	Ala	Asp	Arg	Gln	Leu	Val	Ala	Gln	Ser	Gly	Val	Ala	Val
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

50

55

60

Ile Asp Cys Ser Trp Ala Arg Leu Asp Glu Thr Pro Phe Gly Lys
 65 70 75

<210> 330
 <211> 72
 <212> PRT
 <213> Homo sapiens

<400> 330
 Ser Gly Arg Gly Ala Arg Ser Asp Val Thr Ala Met Ala Gly Ile Lys
 1 5 10 15
 Ala Leu Ile Ser Leu Ser Phe Gly Gly Ala Ile Gly Leu Met Phe Leu
 20 25 30
 Met Leu Gly Cys Ala Leu Pro Ile Tyr Asn Lys Tyr Trp Pro Leu Phe
 35 40 45
 Val Leu Phe Phe Tyr Ile Leu Ser Pro Ile Pro Tyr Cys Ile Ala Arg
 50 55 60
 Arg Leu Val Asp Asp Thr Asp Ala
 65 70

<210> 331
 <211> 32
 <212> PRT
 <213> Homo sapiens

<220>
 <221> MISC_FEATURE
 <222> (5)
 <223> Xaa equals any of the L-amino acids commonly found in naturally
 occurring proteins

<400> 331
 Ala Arg Val Arg Xaa Arg Gly Ala Leu Ser Leu Ser Val Gly Ala Ala
 1 5 10 15
 Cys Gly Leu Val Ala Leu Trp Gln Arg Arg Arg Gln Asp Ser Gly Thr
 20 25 30

<210> 332
 <211> 45
 <212> PRT
 <213> Homo sapiens

<400> 332
 Leu Ser Asn Asn Ala Gln Asn Trp Gly Met Gln Arg Ala Thr Asn Val
 1 5 10 15
 Thr Tyr Gln Ala His His Val Ser Arg Asn Lys Arg Gly Gln Val Val
 20 25 30
 Gly Thr Arg Gly Gly Phe Arg Gly Cys Thr Val Trp Leu

35

40

45

<210> 333
 <211> 38
 <212> PRT
 <213> Homo sapiens

<400> 333
 Val Ser Met Ala Leu Glu Glu Tyr Leu Val Cys His Gly Ile Pro Cys
 1 5 10 15
 Tyr Thr Leu Asp Gly Asp Asn Ile Arg Gln Gly Leu Asn Lys Asn Leu
 20 25 30
 Gly Phe Ser Pro Glu Asp
 35

<210> 334
 <211> 39
 <212> PRT
 <213> Homo sapiens

<400> 334
 Thr Gln Asp Arg Asn Asn Ala Arg Gln Ile His Glu Gly Ala Ser Leu
 1 5 10 15
 Pro Phe Phe Glu Val Phe Val Asp Ala Pro Leu His Val Cys Glu Gln
 20 25 30
 Arg Asp Val Lys Gly Leu Tyr
 35

<210> 335
 <211> 40
 <212> PRT
 <213> Homo sapiens

<400> 335
 Phe Thr Gly Ile Asp Ser Glu Tyr Glu Lys Pro Glu Ala Pro Glu Leu
 1 5 10 15
 Val Leu Lys Thr Asp Ser Cys Asp Val Asn Asp Cys Val Gln Gln Val
 20 25 30
 Val Glu Leu Leu Gln Glu Arg Asp
 35 40

<210> 336
 <211> 41
 <212> PRT
 <213> Homo sapiens

<400> 336
 Ala Glu Thr Leu Pro Ala Leu Lys Ile Asn Lys Val Asp Met Gln Trp
 1 5 10 15
 Val Gln Val Leu Ala Glu Gly Trp Ala Thr Pro Leu Asn Gly Phe Met
 20 25 30

Arg Glu Arg Glu Tyr Leu Gln Cys Leu
 35 40

<210> 337
 <211> 30
 <212> PRT
 <213> Homo sapiens

<400> 337
 Val Pro Ile Val Leu Thr Ala Thr His Glu Asp Lys Glu Arg Leu Asp
 1 5 10 15

Gly Cys Thr Ala Phe Ala Leu Met Tyr Glu Gly Arg Arg Val
 20 25 30

<210> 338
 <211> 39
 <212> PRT
 <213> Homo sapiens

<400> 338
 Ile Gly Gly Asp Leu Gln Val Leu Asp Arg Val Tyr Trp Asn Asp Gly
 1 5 10 15

Leu Asp Gln Tyr Arg Leu Thr Pro Thr Glu Leu Lys Gln Lys Phe Lys
 20 25 30

Asp Met Asn Ala Asp Ala Val
 35

<210> 339
 <211> 37
 <212> PRT
 <213> Homo sapiens

<400> 339
 Gly His Ala Leu Leu Met Gln Asp Thr His Lys Gln Leu Leu Glu Arg
 1 5 10 15

Gly Tyr Arg Arg Pro Val Leu Leu Leu His Pro Leu Gly Gly Trp Thr
 20 25 30

Lys Asp Asp Asp Val
 35

<210> 340
 <211> 41
 <212> PRT
 <213> Homo sapiens

<400> 340
 Met Tyr Ala Gly Pro Thr Glu Val Gln Trp His Cys Arg Ala Arg Met
 1 5 10 15

Val Ala Gly Ala Asn Phe Tyr Ile Val Gly Arg Asp Pro Ala Gly Met
 20 25 30

Pro His Pro Glu Thr Gly Lys Asp Leu
 35 40

<210> 341
 <211> 34
 <212> PRT
 <213> Homo sapiens

<400> 341
 Leu Thr Met Ala Pro Gly Leu Ile Thr Leu Glu Ile Val Pro Phe Arg
 1 5 10 15
 Val Ala Ala Tyr Asn Lys Lys Lys Lys Arg Met Asp Tyr Tyr Asp Ser
 20 25 30

Glu His

<210> 342
 <211> 19
 <212> PRT
 <213> Homo sapiens

<400> 342
 Gly Phe Met Ala Pro Lys Ala Trp Thr Val Leu Thr Glu Tyr Tyr Lys
 1 5 10 15

Ser Leu Glu

<210> 343
 <211> 243
 <212> PRT
 <213> Homo sapiens

<220>
 <221> MISC_FEATURE
 <222> (30)
 <223> Xaa equals any of the L-amino acids commonly found in naturally occurring proteins

<220>
 <221> MISC_FEATURE
 <222> (149)
 <223> Xaa equals any of the L-amino acids commonly found in naturally occurring proteins

<220>
 <221> MISC_FEATURE
 <222> (152)
 <223> Xaa equals any of the L-amino acids commonly found in naturally occurring proteins

<400> 343
 Arg Ile Thr Asp Asn Pro Glu Gly Lys Trp Leu Gly Arg Thr Ala Arg
 1 5 10 15
 Gly Ser Tyr Gly Tyr Ile Lys Thr Thr Ala Val Glu Ile Xaa Tyr Asp
 20 25 30

Ser Leu Lys Leu Lys Lys Asp Ser Leu Gly Ala Pro Ser Arg Pro Ile
 35 40 45
 Glu Asp Asp Gln Glu Val Tyr Asp Asp Val Ala Glu Gln Asp Asp Ile
 50 55 60
 Ser Ser His Ser Gln Ser Gly Ser Gly Gly Ile Phe Pro Pro Pro Pro
 65 70 75 80
 Asp Asp Asp Ile Tyr Asp Gly Ile Glu Glu Glu Asp Ala Asp Asp Gly
 85 90 95
 Phe Pro Ala Pro Pro Lys Gln Leu Asp Met Gly Asp Glu Val Tyr Asp
 100 105 110
 Asp Val Asp Thr Ser Asp Phe Pro Val Ser Ser Ala Glu Met Ser Gln
 115 120 125
 Gly Thr Asn Val Gly Lys Ala Lys Thr Glu Glu Lys Asp Leu Lys Lys
 130 135 140
 Leu Lys Lys Gln Xaa Lys Glu Xaa Lys Asp Phe Arg Lys Lys Phe Lys
 145 150 155 160
 Tyr Asp Gly Glu Ile Arg Val Leu Tyr Ser Thr Lys Val Thr Thr Ser
 165 170 175
 Ile Thr Ser Lys Lys Trp Gly Thr Arg Asp Leu Gln Val Lys Pro Gly
 180 185 190
 Glu Ser Leu Glu Val Ile Gln Thr Thr Asp Asp Thr Lys Val Leu Cys
 195 200 205
 Arg Asn Glu Glu Gly Lys Tyr Gly Tyr Val Leu Arg Ser Tyr Leu Ala
 210 215 220
 Asp Asn Asp Gly Glu Ile Tyr Asp Asp Ile Ala Asp Gly Cys Ile Tyr
 225 230 235 240
 Asp Asn Asp